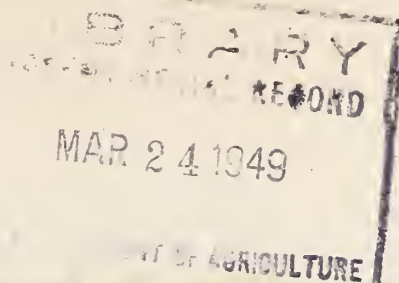
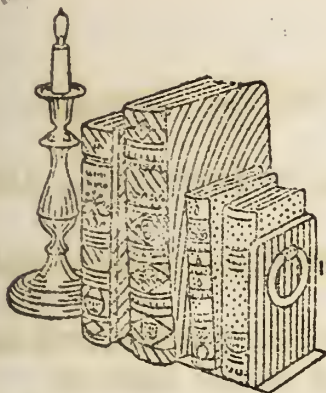


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LIBRARY NEWS

Vol. 9, Nos. 1 and 2.

January and February 1948

NEW BOOKS RECEIVED IN YOUR LIBRARY THIS WINTER

- Beard, Ward P. TEACHING CONSERVATION; A GUIDE IN NATURAL RESOURCES EDUCATION. Washington, D. C., American Forestry Association, 1948. 144 p. 279.12 B38
"...outlines clearly and specifically methods of presenting problems in the conservation of soil, water, wildlife and forests ... suggests many simple and interesting experiments which may be carried out in the field or classroom ... with a minimum of equipment ... contains a long list of reference books ... and suggests additional sources to which instructors may turn for more material on specific subjects." Outdoor News Bulletin
- Black, John D. and Keifer, Maxine E. FUTURE FOOD AND AGRICULTURE POLICY; A PROGRAM FOR THE NEXT TEN YEARS. New York, McGraw-Hill, 1948. 348 p. 281 B56F
"This timely volume is perhaps the first that covers thoroughly the important facts of the present food and agriculture situation both here and abroad and that offers a long-range plan for solving shortages and spreading the food supply ... The plans presented are constructive and have far-reaching implications for the economic welfare of the peoples of the world." Jacket.
- Chase, Stuart THE PROPER STUDY OF MANKIND; AN INQUIRY INTO THE SCIENCE OF HUMAN RELATIONS. New York, Harper, 1948. 311 p. 280 C38Pm
"I don't know when I've spent a more useful, rewarding and with it all enjoyable two and a half hours than when I read The Proper Study of Mankind ... The book ought to be read by every responsible citizen ... I can think of no better preparation for the strains and alarms through which we must go in the next three to six years ... it is a hopeful book ... the kind of hope that one feels when he faces a hard job of work to be done, and has in his hands a good honest tool or two." David E. Lilienthal
- Cox, Joseph Frank and Jackson, Lyman Edson CROP MANAGEMENT AND SOIL CONSERVATION New York, Wiley, 1948. 572 p. 64 C83F Ed. 2.
"The sections on new crop varieties, seed improvement, farm food production, wildlife protection and fish culture on the farm are expanded, and new soil conservation practices, weed and insect control and other topics are discussed." Publishers Weekly, October 23, 1948.

- Graber, L. F. and Ahlgren, H. L. AGRONOMY, PRINCIPLES AND PRACTICES. Dubuque, Iowa, W. C. Brown, 1948. 151 p. 452.8 G76 1948
- Herrington, Barbour Lawson MILK AND MILK PROCESSING. New York, McGraw-Hill, 1948. 343 p. 44 H433
- Hibbard, Benjamin H. AGRICULTURAL ECONOMICS. New York, McGraw-Hill, 1948. 441 p. 281.12 H52
- "In simple language and familiar terminology the main economic facts pertaining to the operations and relationships involved in farming under modern economic and social conditions. Recent advances in the field are covered, and more than usual attention given to such subjects as tariff legislation, farmers' organizations and political management ... The final chapter includes the 1945 Census Report." Jacket
- Hutcheson, Thomas Bardsdale, Wolfe, T. K. and Kepps, M. S. THE PRODUCTION OF FIELD CROPS; A TEXTBOOK OF AGRONOMY. 3d ed. New York, McGraw-Hill, 1948. 430 p. 64 H97 Ed. 3.
- "Revised to include new advances in agronomy ... there is a section on miscellaneous forage and feed crops." Publishers Weekly, October 30, 1948.
- Lindstrom, David Edgar AMERICAN RURAL LIFE. New York, Ronald Press, 1948. 385 p. 281.2 L642A
- Lovejoy's COMPLETE GUIDE TO AMERICAN COLLEGES AND UNIVERSITIES. New York, Simon and Schuster, 1948. 158 p. 276.6 L94
- Oosting, Henry John THE STUDY OF PLANT COMMUNITIES; AN INTRODUCTION TO PLANT ECOLOGY. San Francisco, W. H. Freeman and Co., 1948. 389 p. 465.8 Oo92
- "The purpose of this book is to describe the nature and variations of plant communities and to state the methods that can be used to classify and identify them ... Of particular interest to the "practicing" ecologist is the final section, devoted to the survey of the application of the ecological point of view to range management, agriculture, conservation, landscaping, forestry and human relations ... The author's deep interest in plants, their habitats, and their adjustment to other species is infectious."
- Pool, Raymond J. MARCHING WITH THE GRASSES. Lincoln, Univ. of Nebraska Press, 1948. 210 p. 60.1 P73 Bibliography pp. 191-201.
- "Describes the role that wild and cultivated grasses have played in the slow evolution of human society."
- Preston, Richard Joseph, Jr. NORTH AMERICAN TREES (exclusive of Mexico and tropical United States). Ames, Iowa State College Press, 1948. 371 p. 454 P92
- "A handbook designed for field use, with plates and distribution maps. 135 genera containing 568 species are treated, and basic information on characters and techniques used in identifying trees appears in the introduction."
- Publishers announcement.
- Smith, Kenneth Manley A TEXTBOOK OF AGRICULTURAL ENTOMOLOGY. 2d ed. Cambridge, Mass., Cambridge Univ. Press, 1948. 289 p. 423 Sm52

WILDLIFE MANAGEMENT*

By Reuben Edwin Trippensee

Comment by Theodore C. Fearnow, U. S. Forest Service, Philadelphia, Pa.

Wildlife Management by R. E. Trippensee, Professor of Wildlife Management at the University of Massachusetts, is a valuable addition to conservation literature. Dealing with upland game and general principles of wildlife management, it is a publication of the American Forestry series and a creditable piece of writing throughout.

Wildlife Management has a practical approach that should render it particularly valuable to those who are concerned with various phases of land management. The interrelationship between wildlife and environment is clearly discernable as the book includes chapters on farm wildlife, forest wildlife and wilderness wildlife. The underlying philosophy which characterizes the book is in keeping with the very best traditions of renewable resource management.

For the individual wildlife technician, the forester, the county farm agent and the wide array of individuals who are today influencing various phases of public and private land management in the United States, Professor Trippensee's book will help to develop a clearer understanding of the niche which wildlife occupies in the field of renewable natural resources.

*Trippensee, Reuben Edwin WILDLIFE MANAGEMENT; UPLAND GAME AND GENERAL PRINCIPLES. New York, McGraw-Hill, 1948. 479 p. 411.2 T73

RAINFALL AND RUNOFF**

By Edgar E. Foster

Comment by E. W. Gain, Regional Drainage Engineer, Soil Conservation Service, Northeast Region, Upper Darby, Pa.

This book covers concisely the science of hydrology as relates to rainfall and runoff. The author has gathered together in one volume developments reported during the past 15 to 20 years in scattered current periodicals and publications of engineering and technical societies, federal, state and other agencies interested in hydrologic work. He has also laid the groundwork for applying methods of statistical analysis in hydrologic practices.

Relative to statistical methods, he points out their rapid development within the past several decades to facilitate research in many other fields, as business, agriculture, and biological work. He states engineers have not hesitated to utilize the method of least squares for adjusting observations in geodesy and that a few engineers have adopted the methods of statistical procedure in some degree to determine flood frequencies, but that the profession as a whole has limited itself to a few empirical processes or rules, apparently reluctant to adopt fully such methods for hydrology.

In gathering together these hydrologic developments and introducing statistical analysis as a working tool of this science, the author hopes to "put the science of hydrology on a logical basis by eliminating guesswork as much as possible, by setting limits within which judgment may be exercised safely, and by introducing means of measuring the numerous variations observed in the occurrence of water in nature."

The book contains 12 chapters and an excellently referenced bibliography. The first chapter deals with the general subject of hydrology, demands on water resources, definition of terms, and treatment of hydrologic data. The last chapter touches on utilization of hydrologic data in water supply, water power, irrigation, drainage, and flood control. Chapters in between cover atmospheric moisture and its precipitation, air masses, storms producing precipitation, distribution of precipitation, frequency of precipitation, snow, evaporation, runoff, floods, and ground water.

This book is well worth including in the reference library of any engineer dealing with rainfall runoff problems.

**Foster, Edgar E. RAINFALL AND RUNOFF. New York, Macmillan, 1948. 487 p. 340 F81 (The bibliography on pp. 469-479 includes 200 references.)

TRANSACTIONS
THIRTEENTH NORTH AMERICAN WILDLIFE CONFERENCE
March 8, 9 and 10, 1948

The 650 pages of the 1948 Transactions contain 66 papers divided into ten sections under the subject headings:

Wildlife Technology - How and for What; Duck Needs Being Ducked; Wildlife Horizons - 1948; The Uninformed Public - The Management Bottleneck; Fish and Game Stocking; Agricultural Wildlife; Coastal and Marine Wildlife; Range and Forest Wildlife; Harvesting Wildlife Crops; Wildlife of Wet Lands and Inland Waters.

THE NORTHEAST IN PRINT

- Dengler, Harry William WHY WE DECORATE CHRISTMAS TREES. American Forests, December 1948, pp. 543, 572.
Mr. Dengler, now Extension Forester for the State of Maryland, was formerly with the Soil Conservation Service in this region.
- Frantz, Harvey R. CYPRESS SWAMP. Soil Conservation, February 1949, p. 162.
Mr. Frantz was until recently with the Soil Conservation Service in Sussex County, Delaware.
- Garber, R. J. Review of John D. Black's Future Food and Agriculture Policy. Journal of the American Society of Agronomy, December 1948, p. 1144.
Dr. Garber is director of the U. S. Regional Pasture Research Laboratory, State College, Pa.
- Hough, A. F. DEER AND RABBIT BROWSING AND AVAILABLE WINTER FORAGE IN ALLEGHENY HARDWOOD FORESTS. Journal of Wildlife Management, January 1949, pp. 135-141.
Mr. Hough is with the Northeastern Forest Experiment Station, Upper Darby, Pa.
- Jones, John P. and Wise, James M. STRIP CROPPING MADE EASY. Soil Conservation, March 1949, pp. 176-177.
Dr. Jones is regional agronomist, Soil Conservation Service, Northeast Region and Mr. Wise is District Conservationist, Sunbury, Pa.
- Jones, Richard D. FEDERAL ASSISTANCE TO SMALL TIMBER LAND OWNERS. Forest Leaves, November-December, 1948. pp. 3-5.
Mr. Jones is with the U. S. Forest Service, Region 7, Philadelphia, Pa.
- Loughry, F. Glade LAND FEATURES INFLUENCING USE IN THE MIDDLE ALLEGHENY PLATEAU. Journal of Soil and Water Conservation, October 1948, pp. 169-170, 175, 179.
Mr. Loughry is State Soil Scientist, Soil Conservation Service, State College, Pa.
- Marsh, S. H. WEST VIRGINIA EPISODE. Fire Control Notes, January 1949, pp. 7-9.
Mr. Marsh is with the U. S. Forest Service, Region 7, Philadelphia, Pa.
- May, Richard M. Review of Wildlife Management by R. E. Trippensee. Journal of Forestry, January 1949, pp. 63-64.
Mr. May is with the Soil Conservation Service, Northeast Region, Upper Darby, Pennsylvania.
- May, Richard M. THE VOICES OF WILDLIFE ARE RECORDED. Forest Leaves, November-December 1948, p. 17.
- Ritter, Edward DRIVEN WELLS FOR FIRE SUPPRESSION. Fire Control Notes, January 1949, pp. 43-46.
Mr. Ritter is with the U. S. Forest Service, Region 7, Philadelphia, Pa.

Rogers, Earl J. Review of Aerial Photography in Forestry by Stephen H. Spurr. Photogrammetric Engineering, December 1948. pp. 607-608.

Mr. Rogers is with the Northeastern Forest Expt. Station, Upper Darby, Pa.

Simmons, Fred C. FACTORS AFFECTING SELECTION OF LOGGING METHODS AND EQUIPMENT. Canada Lumberman, November 1, 1948, pp. 38-41.

Mr. Simmons is with the Northeastern Forest Expt. Station, Upper Darby, Pa.

Simmons, Fred C. GOOD LOGGING PRACTICE. 15. WINTER HAULING. Timber of Canada, February 1949, pp. 42-46.

Struble, Robert G. CONSERVATION IN THE BRANDYWINE VALLEY. Soil Conservation, January 1949, pp. 134-138

Mr. Struble is a staff member of the office of the Brandywine Valley Association, West Chester, Pennsylvania.

PERIODICAL SUBSCRIPTIONS

Since April 1947 when your Branch Library issued a mimeographed leaflet entitled PERIODICALS CURRENTLY RECEIVED IN THE PHILADELPHIA BRANCH LIBRARY the following changes have been made in our subscriptions.

A. Periodicals Added to Cur List

Civil engineering. m.

Cranberry world. m.

Cross tie bulletin. m.

Farm policy forum. q.

issued by the Iowa State College Press.

Industrial equipment news. m.

Journal of marketing. m.

Lumber camp news. m.

issued at Old Forge, New York

What's new in crops and soils. m.

issued by the American Society of Agronomy.

Outdoor America. 10 nos.

issued by Izaak League of America.

Review of applied entomology.

Series A. Agricultural. m.

Tractor farming. irr.

Unasylva. bi-m.

issued by Food and Agriculture

Organization of the United Nations

Waterways journal. w.

West Virginia hills and streams. bi-m.

B. Periodicals No Longer Received

Accountants digest. q.

Advanced management. q.

Agricultural history. q.

American farm youth. m.

American journal of public health. m.

American Medical Association. Journal.w.

Appalachia. m.

Ayrshire digest. m.

Foreign Policy Association.

Bulletins, Headline Books and Reports.

Guernsey breeders journal. s.m.

Holstein Friesian World. s.m.

American Academy of Political and

Social Science. Annals. bi.m.

American business. m.

Jersey bulletin. s.m.

Journal of the American Concrete

Association. 10 nos.

Journal of home economics. 10 nos.

National butter and cheese journal. m.

Nutrition abstracts. q.

Public affairs pamphlets. m.

Vital speeches of the day. s.m.

C. Periodicals Which Have Ceased Publication

Agriculture in the Americas. m.	Experiment station record. m.
Consumers guide. m.	Land policy review. q.
Domestic commerce. m.	Public policy digest. 10 nos.

Those included in Lists B and C will no longer be coming to you from this library. If you wish to add to your present list any of those in List A, just let us know; or if you wish to see a copy of the 1947 list for which this serves as a correction sheet.

A FEW SELECTED BULLETINS

Atomic Energy

Lilienthal, David E. FARM PEOPLE AND THE ATOM. Washington, D. C., Atomic Energy Commission, 1948. 30 p.

Land Use

Conklin, Howard E. and Berg, Sherwood O. A PRELIMINARY REPORT ON DEVELOPMENTS IN LAND CLASSIFICATION METHODS. Ithaca, N. Y., N.Y. State College of Agriculture, 1948. 75 p. 281.9 C81

Reuss, L. A., Wooten, H. H. and Marschner, F. J. INVENTORY OF MAJOR LAND USES IN THE UNITED STATES. Washington, D. C., 1948. 89 p. U. S. D. A. Misc. Pub. 663. 1 Ag84M

Legumes

Erdman, Lewis W. LEGUME INOCULATION: WHAT IT IS; WHAT IT DOES. Washington, D. C., 1948. 20 p. U. S. D. A. Farmers Bull. 2003. 1 Ag84F

Lumber and Forest Products

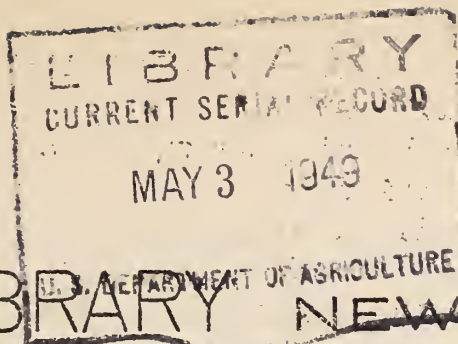
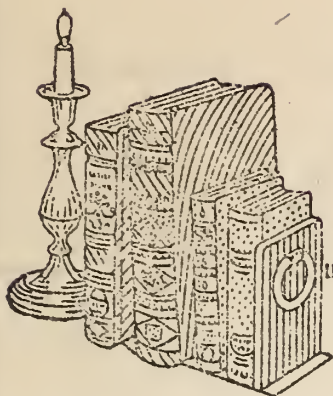
Northeastern Wood Utilization Council THE CHEMISTRY AND UTILIZATION OF BARK. New Haven, Conn., 1949. 133 p. Bulletin No. 25. 99.9 N819B

The opening paper is by J. C. Rettie and Fred C. Simmons, Northeastern Forest Experiment Station, Upper Darby, Pa.

Steer, Henry B. LUMBER PRODUCTION IN THE UNITED STATES 1799-1946. Washington, D. C., 1948. 233 p. U. S. D. A. Misc. Pub. 669. 1 Ag84M

Wildlife

Virginia. Commission of Game and Inland Fisheries. GAME BIRDS, MAMMALS, FISH OF VIRGINIA. Richmond, Va., 1948. 62 p.



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LIBRARY NEWS

Vol. 9, Nos. 3 and 4.

March and April 1949.

NEW BOOKS RECENTLY RECEIVED IN YOUR LIBRARY

- Bathurst, Effie G. YOUR LIFE IN THE COUNTRY. New York, McGraw-Hill, 1949.
399 p. 281.2 B32
Rural consumer problems.
- Brown, H. P., Panshin, A. J. and Forsaith, Carl C. TEXTBOOK OF WOOD TECHNOLOGY. Vol. I. New York, McGraw-Hill, 1949. 652 p. 99.79 B81T
- Brown, Nelson Courtlandt LOGGING; PRINCIPLES AND METHODS OF HARVESTING TIMBER IN THE UNITED STATES AND CANADA. New York, Wiley, 1949.
418 p. 99.76 B81Log See review on p. 2.
- Funderburk, Robert Steele THE HISTORY OF CONSERVATION EDUCATION IN THE UNITED STATES. Nashville, George Peabody College for Teachers, 1948.
151 p. 279.12 F762
- Gustafson, A. F. and others. CONSERVATION IN THE UNITED STATES. Ithaca, New York, Comstock Press, 1949. 3rd ed. 534 p. 279.12 G97 Ed. 3
"The authors have presented a wealth of well selected factual information in a reasonably condensed form. The book is authoritative, comprehensive, and above all readable with fine illustrations. It is recommended to every conservationist, sportsman, and lay naturalist, and should be required reading for every biology student."
Ecology, October 1948.
- Howard, W. V. AUTHORITY ON TVA LAND. Kansas City, Mo., Frank O. Glenn Pub. Co., 1948. 184 p. 280.002 H83
"It is 'must' reading for those trying to think their way through the maze of propaganda for and against integrated river basin management." Outdoor News Bulletin.
- Morrison, Frank B. and others. FEEDS AND FEEDING; A HANDBOOK FOR THE STUDENT AND STOCKMAN. Ithaca, New York, Morrison Pub. Co., 1949.
21st ed. 1207 p. 389.7 M833 Ed. 21.
- New England Council. POWER IN NEW ENGLAND. A report of the Power Survey Committee. Boston, Mass., 1948. 68 p.

Taylor, Carl C. and others. RURAL LIFE IN THE UNITED STATES. New York, Knopf, 1949. 549 p. 281.2 T21R

"This book presents a comprehensive survey of American rural life. Rural population, occupations, institutions, and levels and standards of living are analyzed and interpreted. A unique feature (Part IV) is the detailed discussion of distinctive social characteristics of seven types of farming areas in the country: cotton, corn, wheat, range livestock, dairy, western specialty crop areas, and the general and self-sufficing areas. The eight authors, each a specialist in the particular subject matter section with which he deals, are or have been employees of the U. S. Department of Agriculture. They have succeeded in presenting a very readable examination of rural life conditions and also of the significant changes underway in rural America."

Van Boren, Mark, ed. THE TRAVELS OF WILLIAM BARTRAM. New York, Dover Publications, 1928. 414 p. 125 B282 1928a

An unabridged edition of the famous Philadelphia botanist's description of his explorations - "a classic in the literature of travel and natural history."

FOR REFERENCE

N. W. Ayer and Son. DIRECTORY OF NEWSPAPERS AND PERIODICALS, 1949. Philadelphia, Pa., 1949. 1424 p. 241.9 Ay2 1949

LOGGING*

By Nelson Courtlandt Brown

Comment by F. C. Simmons, Forest Utilization Service, Northeastern Forest Experiment Station, Upper Darby, Pennsylvania

This is a revision and condensation of Professor Brown's two previous books, "Logging Principles and Practices" and "Logging Transportation". A lot of work has obviously gone into this revision in an attempt to bring the description of methods and equipment used in the woods up-to-date and to cover the many developments in this field during and since the war. The list of logging authorities and equipment manufacturers consulted is an imposing one, covering more than two pages. A number of contributions, and a great many photographs, were supplied by members of the Forest Service.

By and large Professor Brown has been rather successful in his attempt to give the student a brief and general picture of logging, past and present, in the United States and Canada. The sections on tractor logging, and on cable logging, the latter a contribution of Professor J. Kenneth Pierce of the University of Washington, are complete. Undue emphasis may perhaps have been given to the discussions of chutes and slides, and of forest railroads, methods of log transportation that are rapidly becoming obsolete. Felling and bucking and truck hauling may not have received their share of attention. For information on construction of logging roads the reader is referred to

*Brown, Nelson Courtlandt LOGGING; PRINCIPLES AND METHODS OF HARVESTING TIMBER IN THE UNITED STATES AND CANADA. New York, Wiley, 1949. 418 p. 99.76 B81Log

"Northeastern Loggers' Handbook" and the "Truck Trail Handbook."

Obviously, it would be impossible to publish a book on this subject that would be completely up-to-date, since developments are taking place so rapidly. Three makes of one-man power saws are listed, for example. There are now seven makes of these saws on the market, and several others in process of development. The tractor-skidding costs quoted must have been obtained prewar. Such costs, both of the machines and the cost of operating them are now more than twice the figures given in the book.

Despite these deficiencies the book is the best place now available to get a general over-all picture of the logging industry in the United States. It is perhaps unfortunate that Professor Brown does not give a list of references where more complete information on the subjects discussed can be found. Such supplemental reading is certainly necessary even for college students taking a general forestry course, to round out the generalized descriptions given in the text. Bryant's earlier book on logging, now supplanted by this book by Brown, had a rather complete bibliography.

A similar text on timber harvesting by Prof. A. E. Wackerman of Duke University is soon to be published in the McGraw-Hill "American Forestry" series.

A NEW QUARTERLY

Let us know if you wish to have us route to you regularly Agricultural Economics Research, "a new quarterly publication for professional readers that has been launched by the Bureau of Agricultural Economics, each number to contain some 32 pages giving primary attention to progress of studies current in BAE."

THE NORTHEAST IMPRINT

Allan, Philip F. BEHOLD THE BUSY BEE! Soil Conservation, April 1949, pp. 202-203. Mr. Allan, now regional chief, Biology Division, Soil Conservation Service, Ft. Worth, Texas was formerly with the Northeast Region.

Anderson, A. H. THE NEED FOR A RESEARCH CENTER IN THE ALLEGHENY PLATEAU. Forest Leaves, January-February 1949, pp. 10, 12. Mr. Anderson is supervisor of the Allegheny National Forest.

Banfield, Edward C. PLANNING UNDER THE RESEARCH AND MARKETING ACT OF 1946; STUDY IN THE SOCIOLOGY OF KNOWLEDGE. Journal of Farm Economics, February 1949, pp. 48-73. Mr. Banfield, now at the University of Chicago, was formerly with the Surplus Marketing Administration in Philadelphia.

Fonton, Richard H. CHRISTMAS TREES. Connecticut Extension Bulletin 409, October 1948. Mr. Fonton is working in cooperative farm forestry research at Storrs, Conn. for the Northeastern Forest Experiment Station.

Gedney, Donald C. LAND ABUSE, A FLOOD, AND THEN NO MORE FLOODS. Forest Leaves, January-February 1949, pp. 17 ff.

Mr. Gedney is with the Division of Flood Control Surveys, Northeastern Forest Experiment Station, Upper Darby, Pa.

Harper, V. L. NEW HORIZONS IN FORESTRY. Forest Leaves, January-February 1949, pp. 1-2.

Dr. Harper is Director, Northeastern Forest Experiment Station, Upper Darby, Pennsylvania.

Huber, W. W. BILLY BEAVER. West Virginia Hills and Streams, March-April 1949, pp. 12-13.

Mr. Huber is with the U. S. Forest Service, Northeast Region, Philadelphia, Pa.

McQuilkin, W. E. FOREST RESEARCH IN THE ANTHRACITE REGION. Forest Leaves, January-February 1949, pp. 18-19.

Mr. McQuilkin is with the Anthracite Branch, Northeastern Forest Experiment Station, Kingston, Pennsylvania.

Maits, Buckley CAN YOU BEAT THIS FOR GRASS? Country Gentleman, April 1949, pp. 36, 101.

Mt. Maits was formerly with the Soil Conservation Service, Northeast Region, Upper Darby, Pa.

Rettie, J. C. WHERE IS THE BARK? Forest Leaves, January-February 1949, pp. 5-6.

Mr. Rettie is with the Northeastern Forest Experiment Station, Upper Darby, Pennsylvania.

Rogers, Earl J. ESTIMATING TREE HEIGHTS FROM SHADOWS ON VERTICAL AERIAL PHOTOGRAPHS. Journal of Forestry, March 1949, pp. 182-191.

Mr. Rogers is with the Northeastern Forest Experiment Station, Upper Darby, Pennsylvania.

Schreiner, Ernst J. CREATING BETTER TREES. Forest Leaves, January-February 1949, pp. 3-4, 14.

Dr. Schreiner is geneticist with the Northeastern Forest Experiment Station, now located at Beltsville, Maryland.

Schreiner, Ernst J. WHY A SHADE TREE SERVICE. American Forests, March 1949, pp. 26-27, 43-45.

Simmons, Fred C. THE KEYSTONE KILN DRYING ASSOCIATION. Forest Leaves, January-February 1949, pp. 13-14.

Mr. Simmons is with the Northeastern Forest Experiment Station, Upper Darby, Pennsylvania.

Storey, Herbert C. WATERSHED RESEARCH IN THE DELAWARE AND LEHIGH. Forest Leaves, January-February 1949, pp. 15-16.

Mr. Storey is with the Delaware River Basin Branch, Northeastern Forest Experiment Station, Bethlehem, Pennsylvania.

Wood, Arthur A. IT ALL COMES BACK TO THE LAND. West Virginia Hills and Streams, March-April, 1949, pp. 10, 24.

Mr. Wood is supervisor, Monongahela National Forest, Elkins, West Virginia.

Wright, Jonathan. PRODUCING ELM SEEDS ON CUT BRANCHES. Journal of Forestry, March 1949, pp. 210-214.

Dr. Wright is geneticist with the Northeastern Forest Experiment Station located at the Morris Arboretum, Philadelphia, Pa.

SELECTED BULLETINS RECENTLY RECEIVED

Farm Buildings and Equipment

Garver, Harry L. SAFE WATER FOR THE FARM. Washington, D. C., 1948. 45 p. U.S.D.A. Farmers Bulletin 1978. 1A84F

McCalmont, J. R. SILOS: TYPES AND CONSTRUCTION. Washington, D. C., 1948. 64 p. U.S.D.A. Farmers Bulletin 1820 revised. 1A84F

Northeastern Wood Utilization Council. A HOME MADE WOOD BURNING FURNACE. New Haven, Conn., 1949. 11 p. Bulletin 26 99.9 N814B

U. S. Bureau of Human Nutrition and Home Economics. FARMHOUSE PLANS FOR THE NORTHEASTERN STATES. Washington, D. C., 1948. 19 p. U.S.D.A. Miscellaneous Publication 658. 1 Ag84M

U. S. Rural Electrification Administration. PLANNING THE ELECTRIC WATER SYSTEM FOR YOUR FARMSTEAD. Washington, D. C., 1949. 15 p. U.S.D.A. Miscellaneous Publication 674. 1 Ag84M

Forests and Forest Products

Forest Products History Foundation THE FOREST PRODUCTS HISTORY FOUNDATION. St. Paul, Minnesota, Minnesota Historical Society, 1949. 2d ed. 19 p. Forest Products History Foundation Publication 1.

Oehler, C. M. TIME IN THE TIMBER. St. Paul, Minn., Minnesota Historical Society, 1948. 56 p. Forest Products History Foundation Publication 2.

U. S. Forest Service FORESTS AND NATIONAL PROSPERITY. A REAPPRAISAL OF THE FOREST SITUATION IN THE UNITED STATES. Washington, D. C., 1948. 99 p. U.S.D.A. Miscellaneous Publication 668. 1 Ag84M

Under "Acknowledgements" to "those who took part in analyzing the Nation-wide data or in preparing reports" there are listed, among others, T. C. Fearnow, U. S. Forest Service, Northeast Region, and F. A. Ineson and J. C. Rottier, Northeastern Forest Experiment Station.

Wilson, Lillian M. FOREST CONSERVATION IN COLONIAL TIMES. St. Paul, Minn., Minnesota Historical Society, 1948. 32 p. Forest Products History Foundation Publication 3.

Geography

Bacon, Lois B. and others. AGRICULTURAL GEOGRAPHY OF EUROPE AND THE NEAR EAST. Washington, D. C., 1948. 67 p. U.S.D.A. Miscellaneous Publication 665. 1 Ag84M

Herbs

Sievers, A. F. PRODUCTION OF DRUG AND CONDIMENT PLANTS. Washington, D. C., 1948. 99 p. U.S.D.A. Farmers Bulletin 1999. 1 Ag84F

Mink

Kollogg, Charles E. and Bassett, Charles F. MINK RAISING. Washington, D. C. 1948. 42 p. U.S.D.A. Circular 801. 1 Ag84C

Photogrammetry

Church, Earl THEORY OF PHOTOGRAMMETRY. Syracuse, N. Y., Syracuse University, 1948. 69 p. Bulletin in Photogrammetry No. 19. 325.29 Sy8

Potatoes

U. S. Production and Marketing Administration. POTATOES FOR LIVESTOCK FEED, by Chester R. Allender. Washington, D. C., 1948. 45 p. U.S.D.A. Miscellaneous Publication 676. Literature cited pp. 43-45. 1 Ag84M

Production Records

Moffitt, Earle L. and Sloat, Harry S. SUMMARY OF COST OF PRODUCTION RECORDS IN LANCASTER COUNTY YEAR ENDING APRIL 1, 1948. State College, Pennsylvania School of Agriculture, Division of Extension, 1948 (?) 26 p.

Small Fruits

- Blasberg, Charles H. GROWING BLUEBERRIES IN VERMONT. Burlington, Vt., 1948. Vt. Agr. Expt. Sta. Pamphlet No. 19. 4 p. 100 V59
- Darrow, George M. and Waldo, George F. GROWING ERECT AND TRAILING BLACKBERRIES. Washington, D. C., 1948. 34 p. U.S.D.A. Farmers Bulletin 1995. 1 Ag84F
- Darrow, George M. and Waldo, George F. RASPBERRY CULTURE. Washington, D. C., 1948. 37 p. U.S.D.A. Farmers Bulletin 887. revised. 1 Ag84F
- Darrow, George M. and Waldo, George F. STRAWBERRY VARIETIES IN THE UNITED STATES. Washington, D. C., 1948. 30 p. U.S.D.A. Farmers Bulletin 1043 revised. 1 Ag84F
- Slate, G. L. and others. RASPBERRY GROWING - CULTURE, DISEASES AND INSECTS. Ithaca, New York, 1947. 67 p. Cornell Extension Bulletin 719. 275.29 N48

Soils

- Bear, Firman E. and Prince, A. B. MAGNESIUM NEEDS OF NEW JERSEY SOILS. New Brunswick, N. J., 1948. 19 p. N. J. Agr. Expt. Bulletin 730. 100 N 46
- Bear, Firman E. and Prince, A. B. PHOSPHORUS NEEDS OF NEW JERSEY SOILS. New Brunswick, N. J., 1948. 20 p. N. J. Agr. Expt. Sta. Bull. 744 100 N46
- Lunt, Herbert A. THE FOREST SOILS OF CONNECTICUT. New Haven, Conn., 1948. 93 p. Conn. Agr. Expt. Sta. Bulletin 523. 100 C76
- Newhall, A. G. and Lear, Bert SOIL FUMIGATION FOR NEMATODE AND DISEASE CONTROL. Ithaca, New York, 1948. 32 p. Cornell Agr. Expt. Sta. Bulletin 850. 100 N48

Trees

- Cope, J. A. and Winch, Fred E. KNOW YOUR TREES. Ithaca, N. Y., 1948. 77 p. Cornell 4-H Club Bulletin 85. 275.29 N48Cn
- U. S. Forest Service TREE BREEDING AT THE INSTITUTE OF FOREST GENETICS. Washington, D. C., 1948. 14 p. U.S.D.A. Misc. Publications 657. 1 Ag84M

Vegetables

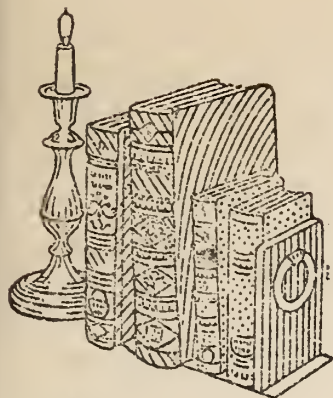
- Carneross, John W. DECLINING VEGETABLE YIELDS CHALLENGE NEW JERSEY FARMERS. New Brunswick, N. J., 1948. N. J. Agr. Expt. Sta. Circular 519. 100 N46
- Pepper, Bailey B. VEGETABLE INSECTS AND THEIR CONTROL ON COMMERCIAL PLANTING. New Brunswick, N. J., 1948. 15 p. N. J. Agr. Expt. Bulletin 740. 100 N46
- Toole, Eben H. and others VEGETABLE-SEED STORAGE AS AFFECTED BY TEMPERATURE AND RELATIVE HUMIDITY. Washington, D. C., 1948. 24 p. U.S.D.A. Technical Bulletin 972. 1 Ag84T

Weed Control

- Evans, L. S. and others USING 2,4-D SAFELY. Washington, D. C., 1948. 10p. U.S.D.A. Farmer's Bulletin 2005. 1 Ag84F

HOOVER REPORTS

Your Branch Library has available for loan to you practically all of the reports of the Commission on Organization of the Executive Branch of the Government together with many of the appendices giving the findings of the various Task Forces.



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LIBRARY NEWS

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May and June 1949.

NEW BOOKS RECENTLY RECEIVED IN YOUR LIBRARY

Duerr, William Allen THE ECONOMIC PROBLEMS OF FORESTRY IN THE APPALACHIAN REGION. Cambridge, Mass., Harvard University Press, 1949. 317 p.
99.7 D862 To be reviewed.

Food and Agriculture Organization of the United Nations. ESSENTIALS OF RURAL WELFARE. An Approach to the Improvement of Rural Well-being. Washington, D. C., 1949. 43 p.

Food and Agriculture Organization of the United Nations. PROCEEDINGS OF THE THIRD SESSION OF THE CONFERENCE HELD AT GENEVA, SWITZERLAND, 25 August - 11 September 1947. Washington, D. C., 1948. 279 p. 389.9 F735Pro

Food and Agriculture Organization of the United Nations. REPORT OF THE FOURTH SESSION OF THE CONFERENCE HELD IN WASHINGTON, D. C., 15-29 November 1948. Washington, D. C., 1949. 100 p. 389.9 F735R

Food and Agriculture Organization of the United Nations. YEARBOOK OF FOREST PRODUCTS STATISTICS, 1948. Washington, D. C., 1949. 205 p.

"The second yearbook published in accordance with FAO's statistical program for forest products. It contains information for the years 1946 and 1947, obtained from 95 countries and territories in response to a questionnaire distributed in 1948 to both member and non-member governments."

Graham, Edward H. and Van Dersel, William R. WILDLIFE FOR AMERICA; THE STORY OF WILDLIFE CONSERVATION. New York, Oxford University Press, 1949. 109 p.
412.9 G76

"An unusual book for teen age readers and adults, presenting in brisk, one-page essays a progressive story of the conservation of our native wildlife. With the fine raccoon face on the cover, the lovely bough full of chickadees across the end papers, and truly marvellous photographs of snowy egret, owl, bears, elk, terns, snow geese you are lured as if into

a picture book. But you read to learn the importance of proper handling of all our land, in relation to wild life and to what the land produces... Many people should have a chance at this book: farmers, village politicians who are concerned with zoning laws, trappers and hunters, and all age students of American history and geography... County agents should use it in talks to 4H clubs; librarians and garden club ladies should introduce it to all the schools they know." NEW YORK HERALD TRIBUNE, May 8, 1949

Lindquist, Bertil GENETICS IN SWEDISH FORESTRY PRACTICE. Waltham, Mass., Chronica Botanica, 1949. 173 p. 99.34 L64Ac

"How every practising forester can make immediate, effective use of genetics to improve forest procedure is the message of this publication... The book is full of fascinating details suited for direct adoption here, or suggesting modifications we could use. It should be read widely by foresters in this country." JOURNAL OF FORESTRY, April 1949

Merrick, Elliott GREEN MOUNTAIN FARM. New York, Macmillan, 1948 209p. 281.2 M55

"Strictly rural life in northern Vermont" as observed by the editor of the U. S. Forest Service's Southeastern Forest Experiment Station, Asheville, North Carolina. "Don't miss this superb reading." Editor of USDA

Metcalf, Robert L. THE MODE OF ACTION OF ORGANIC INSECTICIDES. Washington, D. C., National Research Council, 1948. 84 p. Review No. 1 423.9 M21R

National Research Council. Highway Research Board. BIBLIOGRAPHY ON FROST ACTION IN SOILS (annotated). Washington, D. C., 1948. 57 p. 241.4 M217L

Whyte, Robert Orr CROP PRODUCTION AND ENVIRONMENT. London, England, Faber, 1946. 372 p. 463.34 W62

"As a source of information on developmental physiology of plants this book stands alone, and can be unreservedly recommended to all workers in this and related fields of study." SCIENTIFIC AGRICULTURE, March 1947.

AGAIN ON OUR SHELVES

The following books, at one time difficult to get on loan because of our long waiting lists, are now available on request:

Bennett, Hugh H. ELEMENTS OF SOIL CONSERVATION. New York, McGraw-Hill, 1947. 406 p. 56.7 B43E

"Foresters everywhere...should encourage its use in our schools." JOURNAL OF FORESTRY, December 1948.

Black, John D. FUTURE FOOD AND AGRICULTURE POLICY. New York, McGraw-Hill, 1948. 348 p. 281 B56F

"A thought provoking and highly important book." SOIL SCIENCE, March 1949. "The most important chapter is XXI which outlines in concise form the senior author's agricultural program for the United States...It is worthy of careful study." JOURNAL OF FARM ECONOMICS, February 1949.

DeGraff, Horrell and Haystead, Ladd THE BUSINESS OF FARMING. Norman, Okla., 1948. 244 p. 281.12 D362

"This book is different...A simplified presentation... the use of self-explanatory terminology...make it outstanding...A common sense business approach to farming." JOURNAL OF FARM ECONOMICS, February 1949.

The subjects covered by its four parts are: Soil Management; Equipment Management; Labor Management; and Farm Organization.

One Maryland FHA Supervisor presented a book review of this at a borrowers' group meeting this spring.

- Food and Agriculture Organization SOIL CONSERVATION, AN INTERNATIONAL STUDY. Washington, D. C., 1948. 184 p. (Agricultural Studies #4) 23 F73
 "Every so often a book appears that stands as a milestone in social progress. Such a book is Soil Conservation, an International Study...In a way it is a textbook of world conservation...This world picture is presented concisely and attractively...Illustrations are numerous and exceptionally well chosen...Above all a precise balance has been achieved between broad generalities and technical details...But the book has another and greater value. It is a philosophical guide to dynamic human action...Here is a thesis that can be used by the policy makers of the world's governments for the welfare of the people." JOURNAL OF FORESTRY, June 1949.
- Gustafson, Axel F. CONSERVATION IN THE UNITED STATES. Ithaca, N. Y., Comstock Pub. Co., 1949. 534 p. 279.12 G97
 "The several chapters are concerned with...the nature and use of soil, water and its conservation, soil depletion and erosion, soil and forestry, forest conservation, parks, grazing lands, fish and fisheries, game and fur resources, other useful wildlife, mineral resources, metals, coal, petroleum and natural gas, and the non-metallic elements...The subject is interestingly presented with excellent graphic and photographic illustrations." SOIL SCIENCE, April 1949
- Kilo, O. H. THE FARM BUREAU THROUGH THREE DECADES. Baltimore, Waverly Press, 1948. 416 p. 4 Am31Fb
 "It is well-written by one who believes in and defends almost every action rather than from the coldly analytical viewpoint of a hard-boiled economist. There is good reason to believe that the factual material is authentic...The book, to a considerable extent, is a history of agricultural legislation proposed and enacted since (1920). It gives considerable light as to what went on behind the scenes." JOURNAL OF FARM ECONOMICS, February 1949.
- Lillard, Richard G. THE GREAT FOREST. New York, A. A. Knopf, 1947. 399 p. 99.04 L62
 "One of the most readable histories of American forests that has been published in a long time...The story of what happened to the forests, how they were used and abused, and finally all but destroyed in some instances in the swift conquest of the land. Mr. Lillard whets the interest of the reader in the close relationship of Americans and wood by providing minute descriptions of early colonial life. These descriptions are loaded with detail but never are dull." AMERICAN FORESTS, October 1948.
- Pool, Raymond J. MARCHING WITH THE GRASSES. Lincoln, Univ. of Nebraska Press, 1948. 210 p. 60.1 P78
 "Not only a very useful book, but one that makes...interesting reading, and...stimulates thinking." SOIL SCIENCE, January 1949.
- Tolman, C. F. GROUND WATER. New York, McGraw-Hill, 1937. 593 p. 292 T58
 "This book is just the ticket for soil conservation technicians engaged in drainage and pond planning activities. It does a good job of explaining many of the phenomena that exist in the earth in connection with water movements." Quoted from a letter from a District Conservationist, SCS
- Trippensee, Reuben E. WILDLIFE MANAGEMENT; UPLAND GAME AND GENERAL PRINCIPLES. New York, McGraw-Hill, 1948. 479 p. 411.2 T73
 "A very substantial contribution to our conservation literature...Excellent bibliography." Richard M. May, SCS, JOURNAL OF FORESTRY, January 1949.

THE NORTHEAST IN PRINT

- Beeson, Kenneth C. FERTILIZERS AND THEIR EFFECT ON FOOD QUALITY. Victory Farm Forum, March 1949, pp. 15-16.
Dr. Beeson is Director, U. S. Plant, Soil and Nutrition Laboratory, Agricultural Research Administration, Ithaca, New York.
- Buckley, Sidney S. BIRDSFOOT TREFOIL MAKES HILL FARMING PROSPEROUS. Soil Conservation, June 1949, pp. 248-250. Mr. Buckley is District Conservationist, Soil Conservation Service, Cobleskill, New York.
- Carter, Roy M. BY-PRODUCTS FROM MILL WASTE. VERMONT WOOD PRODUCTS CONFERENCE REPORT (8th), 1948, pp. 7-18. Mr. Carter was formerly with the Northeastern Forest Experiment Station, Upper Darby, Pennsylvania.
- Edminster, Frank C. STRIP-MINED AREAS CAN MAKE WILDLIFE COVER. Pennsylvania Game News, May 1949, pp. 12-13. Mr. Edminster is Regional Biologist, Northeast Region, Soil Conservation Service, Upper Darby, Pa.
- Hamilton, Donald W. ORIENTAL FRUIT MOTH CONTROL WITH DDT. Journal of Economic Entomology, February 1949, pp. 25-28.
Mr. Hamilton is in charge of BEPQ investigations at Poughkeepsie, New York.
- Huber, W. W. SALLY SPECKLED (with foreword by T. C. Fearnow). West Virginia Hills and Streams, May-June 1949, pp. 8-9, 24-25.
Mr. Huber and Mr. Fearnow are with the U. S. Forest Service, Region 7, Philadelphia, Pa.
- Jones, John P. and Wise, James M. STRIP CROPPING MADE EASY. Farmers Digest, May 1949, pp. 52-54. (Condensed from Soil Conservation.) Dr. Jones is Regional Agronomist, Northeast Region, Soil Conservation Service, Upper Dary, Pa., and Mr. Wise is District Conservationist, Sunbury, Pa.
- Kreitlow, K. W. A GREENHOUSE BENCH MOIST CHAMBER FOR LARGE SCALE INOCULATIONS. Phytopathology, January 1949, pp. 90-91. Dr. Kreitlow is Associate Pathologist, U. S. Regional Pasture Research Laboratory, State College, Pa.
- Kreitlow, K. W. SCLEROTINIA TRIFOLIORUM, A PATHOGEN OF LADINO CLOVER. Phytopathology, February 1949, pp. 158-166.
- Kucinski, Karol J. POTATO VINE LIFTERS. Issued by Massachusetts Extension Service, Amherst, Mass. (6) pages. Mr. Kucinski is Research Project Supervisor, Soil Conservation Service, Amherst, Mass.
- Little, S. and Moore, E. B. THE ECOLOGICAL ROLE OF PRESCRIBED BURNS IN THE PINE-OAK FORESTS OF SOUTHERN NEW JERSEY. Ecology, April, 1949, pp. 225-233. Dr. Little is in charge of the Lebanon Experimental Forest, Northeastern Forest Experiment Station, New Lisbon, New Jersey.
- Luock, A. G., Sprague, V. G., and Garber, R. J. THE EFFECT OF A COMPANION CROP AND DEPTH OF PLANTING ON THE ESTABLISHMENT OF SMOOTH BROIE GRASS. Agronomy Journal, April 1949, 137-140. The authors are respectively Scientific Aid, Senior Agronomist and Director, U. S. Regional Pasture Research Laboratory, State College, Pa.
- McIntyre, A. C. WOODLAND MIBROSIA. Forest Leaves, March-April 1949, p. 12.
Mr. McIntyre, editor of Forest Leaves, is Chief, Regional Forestry Division, Soil Conservation Service, Upper Darby, Pennsylvania.
- Schrack, Robert A. and Albright, L. Russell CHIPS ON THE LAND. American Forests, May 1949, pp. 16-17, 38-39.
The authors are respectively Forestry Specialist, Soil Conservation Service, East Greenwich, Rhode Island and State Conservationist, Kingston, Rhode Island.

Simmons, F. C. MECHANIZED LOGGING. Vermont Wood Products Conference, Report (8th), 1948, pp. 22-25.

Mr. Simmons is with the Forest Utilization Service, Northeastern Forest Experiment Station, Upper Darby, Pa.

Smith, R. H. and Browning, D. R. THE INFLUENCE OF DRYING ON SOIL BUFFERING IN RELATION TO AGGREGATION AND OTHER FACTORS. Journal of Agricultural Research, May 1, 1949, pp. 263-284. Mr. Smith is Research Project Supervisor, Soil Conservation Service, Morgantown, W. Va.

Stafford, I. B. MANY GOOD REASONS FOR A FARM POND. American Agriculturist, June 4, 1949, p. 1, 13. Mr. Stafford is State Conservationist, Soil Conservation Service, Ithaca, New York.

Wright, Jonathan W. LOCAL GENETIC VARIATION IN SILVER MAPLE. Journal of Forestry, April 1949, pp. 300-302.

SELECTED BULLETINS RECENTLY ACQUIRED IN YOUR LIBRARY

Agricultural Motor Fuels

Wiebe, Richard and Nowakakowska, Jaina THE TECHNICAL LITERATURE OF AGRICULTURAL MOTOR FUELS. Washington, D. C., 1949. 259 p. U. S. D. A. Bibliographical Bulletin No. 10. 1Ag84B

Blueberries

Maine Agricultural Experiment Station. BLUEBERRY RESEARCH AND SERVICE. Orono, Maine, 1949. 16 p. Misc. Pub. 614. 100 M28S

Maine Agricultural Experiment Station. SOLVING YOUR BLUEBERRY PROBLEMS. Orono, Maine, 1948. 13 p. Misc. Pub. 612. 100 M28S

Drainage and Water Flow

Huff, Albert N. THE HYDRAULIC DESIGN OF RECTANGULAR SPILLWAYS. Washington, D. C., Soil Conservation Service, 1948. 67 p. SCS-TP-71. 1.96 Ad6Tp

Krimgold, D. B. and Weber, John L. PONDAGE CORRECTIONS INVOLVED IN MEASURING SURFACE RUN-OFF FROM SMALL DRAINAGE BASINS. Washington, D. C., Soil Conservation Service, 1949. 16 p. SCS-TP-77. 1.96 Ad6Tp

Ree, W. O. and Palmer, V. J. FLOW OF WATER IN CHANNELS PROTECTED BY VEGETATIVE LININGS. Washington, D. C., Soil Conservation Service, 1949. 115 p. U.S.D.A. Technical Bulletin 067. 1 Ag84T

Erosion

Uhland, R. E. CROP YIELDS LOWERED BY EROSION. Washington, D. C., Soil Conservation Service, 1949. 27 p. SCS-TP-75. 1.96 Ad6Tp

Family Spending

U. S. Bureau of Human Nutrition and Home Economics. GUIDING FAMILY SPENDING. Washington, D. C., 1949. 26 p. U.S.D.A. Misc. Pub. 661. 1 Ag84M

Forest Management

Foster, Clifford H. and Kirkland, Burt P. THE CHARLES LATHROP PACK DEMONSTRATION FOREST, WARRENSBURG, NEW YORK. Twenty Years of Intensive Forest Management. Washington, D. C., Charles Lathrop Pack Forestry Foundation, 1949. 36 p.

Forest Resources

Baldwin, Henry I. and Hoernance, Edgar L. WOODEN DOLLARS; a Report on the Forest Resources of New England, their Condition, Economic Significance and Potentialities. Boston, Mass., Federal Reserve Bank of Boston, 1949. 127 p.
National Lumber Manufacturers Association. AMERICA'S FOREST RESOURCES. Washington, D. C., 1949 (?). 16 p.

Forest Statistics

Northeastern Forest Experiment Station, U. S. Forest Service. FOREST STATISTICS FOR HANCOCK COUNTY, MAINE. Upper Darby, Pa., 1949. 30 p. Forest Survey Release No. 4.
Northeastern Forest Experiment Station, U. S. Forest Service. FOREST STATISTICS FOR NORTHERN NEW HAMPSHIRE. Upper Darby, Pa., 1949. 36 p. Forest Survey Release No. 3.
Northeastern Forest Experiment Station, U. S. Forest Service. FOREST STATISTICS FOR SOUTHERN NEW HAMPSHIRE. Upper Darby, Pa., 1949. 36 p. Forest Survey Release No. 5.

Hemlock

Pennsylvania Department of Forests and Waters. HEMLOCK, THE STATE TREE OF PENNSYLVANIA. Harrisburg, Pa., 1948. 32 p.

Logging

Simmons, F. C. RECRUITING AND TRAINING LABOR FOR WOODS WORK. Upper Darby, Pa., Northeastern Forest Experiment Station, 1949. 16 p. Station Paper No. 24, 1.9622 H2St22

Personnel

U. S. Department of Agriculture. Office of Personnel. STATUTES AFFECTING PERSONNEL ADMINISTRATION IN THE UNITED STATES DEPARTMENT OF AGRICULTURE. Washington, D. C., 1948. 28 p. 1.917 A2St23

Price Programs

U. S. Production and Marketing Administration. PRICE PROGRAMS OF THE UNITED STATES DEPARTMENT OF AGRICULTURE 1949. Washington, D. C., 1949. 62 p.
U.S.D.A. Misc. Pub. 683. 1 Ag84M

Weather

Franklin, Henry J. and Cross, Chester E. WEATHER IN RELATION TO CRANBERRY PRODUCTION AND CONDITION. Amherst, Mass., Mass. Agricultural Expt. Sta., 1948. 16 p. Bulletin 450. 100 M38H
Harris, B. K. and Odland, T. E. RHODE ISLAND WEATHER. Kingston, R. I., R. I. Agricultural Expt. Sta., 1948. 32 p. Bulletin 299. 100 R54S

Weed Control

Lachman, William H. WEED CONTROL IN VEGETABLE CROPS. Amherst, Mass., Mass. Agricultural Expt. Station, 1948. 60 p. 100 M38H

Wildlife

Allan, Durward L. THE FARMER AND WILDLIFE. Washington, D. C., Wildlife Management Institute, 1949. 84 p.
U. S. Fish and Wildlife Service. ORGANIZATIONS AND OFFICIALS CONCERNED WITH WILDLIFE PROTECTION, 1948. Washington, D. C., 1948. 33 p. Wildlife Leaflet 313. 156.2 C76L

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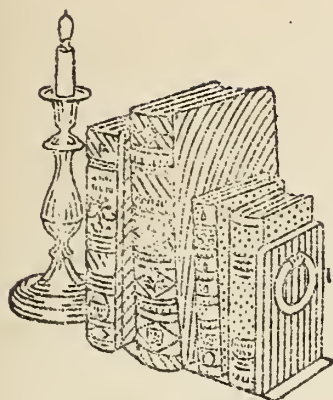
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WHAT IT IS.

HOW TO USE IT.

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NEW BOOKS FOR AUTUMN READING

Bear, Firman E. DIAGNOSTIC TECHNIQUES FOR SOILS AND CROPS. Washington, D. C., American Potash Institute, 1948. 308 p. 395 B38D

Dr. Bear as editor and eleven other scientists, "eminent in their respective fields", have attempted to bring together in one volume "what is now known about diagnosing soil and crop for optimum production".

Clements, Frederic E. DYNAMICS OF VEGETATION. New York, H. W. Wilson, 1949. 296 p. 463.8 C59D

Selections from the writing of Frederic E. Clements compiled and edited by B. W. Allred and Edith S. Clements. Mr. Allred is Chief, Regional Range Division, Soil Conservation Service, Fort Worth, Texas.

"The chapters deal with conservation and the application of ecological concepts and methods as they affect human environment and economics as well as plant communities." American Forests, August 1949.

Crocker, William GROWTH OF PLANTS: TWENTY YEARS RESEARCH AT BOYCE THOMPSON INSTITUTE. New York, Reinhold, 1948. 459 p. 463.36 C87

A carefully documented and exhaustive description of the major problems relating to plant growth undertaken at the Boyce Thompson Institute since its foundation. It includes chapters on the life span of seeds, dormancy in seeds, effect of certain lethal gases upon plants and animals, dormancy in buds, plants grown under controlled environmental conditions, plant cell membranes, plant hormones, research on insecticides, fungicide investigations, etc.

"Presented in a coherent, scholarly and interesting fashion."

Journal of Economic Entomology, February 1949.

Dies, Edward Jerome TITANS OF THE SOIL; GREAT BUILDERS OF AGRICULTURE.

Chapel Hill, University of North Carolina Press, 1949. 213 p. 119 D563

"One book that is too short...The wide reach thus obtained within a few pages may serve to introduce to a wide new audience the fact that agriculture has its heroes... (Mr. Dies) has undertaken to sketch with bold, short strokes... the lifework of diverse robust and amazing men... He digs quite a bit before

he writes a little. His book is too short for his great subject, but it is not slight. New York Times Book Review, April 11, 1949.

These diverse robust men include George Washington, Thomas Jefferson, Elkanah Watson, Eli Whitney, Henry L. Ellsworth, Edmund Ruffin, John Deere, Cyrus Hall McCormick, Justin S. Morrill, Samuel W. Johnson, Wilbur Olin Atwater, Seaman A. Knapp, Stephen Moulton Babcock, Theobald Smith, Mark A. Carleton, Harvey W. Wiley and George Harrison Shull. Fifteen pages of references (pp. 189-203) attest to the much "digging" that was prelude to the compact writing.

Flesch, Rudolf THE ART OF READABLE WRITING. New York, Harper, 1949. 237 p. 200.4 F63A

"A book on rhetoric with the things put in which are usually left out. Such as - writing for a specific audience, having something to say, getting an angle, letting the unconscious cook, etc. Includes plenty of samples."

Robert E. Kingery, New York Public Library, Library Journal, July 1949.

Forest Products History Foundation THE MAN WHO KNEW TREES: THE AUTOBIOGRAPHY OF JAMES W. GIRARD. St. Paul, Minn., 1949. 35 p. Publication No. 4.

"The story of Jim Girard, 'Forest Service institution', 'one-man organization of common sense', and 'check cruiser of the universe'. Introduction.

Gilbert, Frank A. MINERAL NUTRITION OF PLANTS AND ANIMALS. Norman, Okla., University of Oklahoma Press, 1949, c. 1948. 131 p. 395 G372

"A short summary of the work that has been done in trying to determine the usefulness or harmfulness of phosphorus, calcium, magnesium, potassium, sulfur, iron, copper, cobalt, manganese, zinc, iodine, boron, molybdenum, aluminum, silicon, sodium, chlorine, fluorine, arsenic, lead, and selenium to plants and animals, with some supplemental observations on human nutrition. A bibliography of 130 papers is appendedInteresting and informative reading." Soil Science, March 1949.

Gill, Tom, ed. FORESTRY DIRECTORY, 1949. Washington, D. C., American Tree Association, 1949. 420 p. 99Am3 1949

"The richness of information...in these 420 pages gives one a comforting and exhilarating sense of the vitality of forestry in America."

Journal of Forestry, July 1949.

Glesinger, Egon THE COMING AGE OF WOOD. New York, Simon Schuster, 1949. 279 p. 99.75 G48

"Stressing for the layman the importance of wood to the world economy, and its potentialities through technical advances and conservation policies toward creating a world of plenty." Publishers Weekly, March 26, 1949

"A challenge of foresight flung by one who is among the world's foremost experts in the field of forest products...Descriptions are simple and non-technical..The author includes a wealth of information on converting factors, yields, costs, and other value...so unobtrusively...that the reader may not appreciate the vast amount of research and understanding..required to assemble them...No forester will read this book without finding rather glaring flaws in some of the statements purporting to be facts..No forester will read this book without gaining new horizons."

Journal of Forestry, May 1949

Johnstone, Don and Cross, W. F. ELEMENTS OF APPLIED HYDROLOGY. New York, Ronald Press, 1949. 276 p. 292 J65

"The importance to engineers of a working knowledge of the occurrence and movement of water upon and beneath land areas of the globe is stressed in this book...flood control, pollution abatement, erosion control, irrigation and power and water supply as related to structures engineers are called upon to build." American Forests, August 1949.

See also review in Journal of Forestry, August 1949, p. 655.

Knott, James Edward VEGETABLE GROWING. Philadelphia, Lea and Febiger, 1949.
4th ed. 314 p. 91.15 K75 Ed. 4.

"An exceedingly useful manual for the vegetable grower whether he confines his activities to a backyard garden, or operates a thousand acres...The author has done an exceptionally good job of depicting current trends in commercial vegetable production. The development of labor saving equipment, the use of new varieties and new methods of weed and insect control are treated...Sentences are short, pithy, and to the point. Facts are presented in simple; well-designed tables and charts." What's New in Crops and Soils, June 1949.

National Wildlife Federation. MAN ON THE LANDSCAPE: THE FUNDAMENTALS OF PLANT CONSERVATION, by Vernon Gill Carter. Washington, D. C.; National Wildlife Federation, 1949. 129 p.

Ordway, Samuel L. A CONSERVATION HANDBOOK. New York, The Conservation Foundation, 1949. 76 p.

Vaughan, Lawrence M. and Hardin, Lowell S. FARM WORK SIMPLIFICATION. New York, Wiley, 1949. 145 p. 283 V46

Wildlife Management Institute. TEN YEARS OF PITTMAN-ROBERTSON WILDLIFE RESTORATION, by Robert M. Rutherford. Washington, D. C., 1949. 128 p. 279.9 W64T
"Describes the standards and procedures of the program, its aims and objectives, and the work done by the various states on all major game species...The last 62 pages are devoted to tables giving such material as hunting license sales by states, numbers of birds and mammals live-trapped and transplanted, wildlife species investigated by states, and other useful reference material...a factual and informative booklet." Outdoor News Bulletin, August 1949

Wisler, Chester Owen and Brater, E. F. HYDROLOGY. New York, Wiley, 1949. 419 p. 292 W752

"A discussion of precipitation, floods, the hydrograph, infiltration capacity, and other recent developments in hydrology." Jacket.

Wyman, Donald SHRUBS AND VINES FOR AMERICAN GARDENS. New York, MacMillan, 1949. 442 p. 97.3 W98

"Home gardeners, nurserymen and landscape architects will find answers to their problems within these pages for Mr. Wyman has evaluated some 3,200 species and varieties of shrubs and vines as to their usefulness, hardiness and general characteristics." American Forests, July 1949.

RATIO OF RETURN

"Since agency libraries are set up to be used, maximum utilization by all levels of staff of all library services will ensure the greatest ratio of return for money expended on library service by the agency."

Mary V. Wenzel, Personnel Administration, May 1949.

AGAIN ON OUR SHELVES

The following books, previously listed, and much in demand, are again available for loan:

Asch, John THE STORY OF PLANTS. New York, Putnam, 1948. 407 p. 463 As2

"A unique and fascinating story for those interested in the life of plants... simply written with a fresh approach...an accurate, thorough work."

American Forests, August 1949.

- Black, John D. FUTURE FOOD AND AGRICULTURE POLICY. New York, McGraw-Hill, 1948. 348 p. 281 B56F
"The authors have undertaken to combine two important interests, the wellbeing of farming folk and the better nutrition of mankind, in proposing a balanced food and agricultural program for the United States. It includes production, distribution, and consumption phases and outlines methods and procedures in both the national and international spheres." Journal of Forestry, March 1949.
- Foster, Clifford H. and Kirkland, Burt P. THE CHARLES LATHROP PACK DEMONSTRATION FOREST, WARRENSBURG, NEW YORK. RESULTS OF TWENTY YEARS OF INTENSIVE FOREST MANAGEMENT. Washington, D. C., Charles Lathrop Pack Forestry Foundation, 1949. 36 p.
"Extraordinarily interesting, timely and provocative of serious thinking. No forester engaged in public or private forest management should fail to give it a repeat reading." E. W. Littlefield, New York State Conservation Department, Journal of Forestry, July 1949.
- Graham, Edward H. WILDLIFE FOR AMERICA: THE STORY OF WILDLIFE CONSERVATION. New York, Oxford Univ. Press, 1949. 109 p. illus. 412.9 G76
"The photographs constitute a gallery of rare appeal to eye and heart, and the narrative builds up our sympathetic understanding of the land and the creatures of the land...It gives us again the important ecological story told by the top writing team in its field with classic simplicity, good taste, sincerity and impressive factual weight. It is mature, panoramic, worthy of the thoughtful grayboard but still better for his grandchild and his grandchild's teacher." Wellington Brink, Journal of Soil and Water Conservation, July 1949.
- Kittredge, Joseph FOREST INFLUENCES: THE EFFECTS OF WOODY VEGETATION ON CLIMATE, WATER AND SOIL, WITH APPLICATIONS TO CONSERVATION OF WATER AND THE CONTROL OF FLOODS AND EROSION. New York, McGraw-Hill, 1948. 394 p. 99.36 K65
"A book of reference for all those who wish to have some understanding of the processes by which forests exert their effects...A valuable documented tool for the technician...a must for the many foresters and conservationists who desire to understand basic principles." E. W. Munns, Journal of Soil and Water Conservation, April 1949.
- Oosting, Henry J. THE STUDY OF PLANT COMMUNITIES; AN INTRODUCTION TO PLANT ECOLOGY. San Francisco, Freeman, 1948. 389 p. 463.8 Oo92
"Rewarding reading not only to college students but to professional conservationists and to laymen concerned with understanding our land resources." Journal of Soil and Water Conservation, April 1949.
"Cleanly planned and executed." Paul Sears, Ecology, January 1949.

OCCUPATIONS AND OPPORTUNITIES

- Turner, David B. PROFESSIONAL OPPORTUNITIES IN THE WILDLIFE FIELD. Washington, D. C., Wildlife Management Institute, 1948. 208 p. 275 T85
"This book is the result of the most exhaustive study ever made of the educational and professional opportunities in the wildlife field. The amount of research required to gather the employment requirements of hundreds of state, federal, and private conservation organizations in the United States and Canada and data on all educational institutions in North America giving courses in this field was enormous...The volume contains 18 tables and an appendix with all essential information concerning the curricula in wildlife and fishery management of the various educational institutions."
- U. S. Bureau of Labor Statistics. OCCUPATIONAL OUTLOOK HANDBOOK. Washington, D. C. 1948. 453 p. (Bulletin 940.) 158.6 B87
Occupational outlook handbook; employment information on major occupations for use in guidance.

U. S. Department of Agriculture, Office of Personnel, Division of Employment.
OPPORTUNITIES FOR CAREER SERVICE IN THE UNITED STATES DEPARTMENT OF AGRICULTURE.
Washington, D. C., 1948. 52 p. (Miscellaneous Publication No. 675.) 14g84M
"Brief statements about the work and accomplishments of the separate agencies
of the Department and of the opportunities for interesting and challenging
jobs which the Department affords."

THE ECONOMIC PROBLEMS OF FORESTRY IN THE APPALACHIAN REGION*

By William A. Duerr

Comment by Thomas G. Clark, Mountain State Branch,
Northeastern Forest Experiment Station, Elkins, West Virginia

This book deals with the economic problems of forestry in the States of Kentucky, North Carolina, Tennessee, Virginia, and West Virginia. These states are divided into five provinces: (1) Coastal Plain; (2) Piedmont; (3) Highlands; (4) Great Valley; and (5) Interior Province. This was done because they are believed to conform in general to the broad geographic pattern of forestry conditions.

The chapter, "Problems of People and the Land," is a brief history of land use in the area. Mr. Duerr traces tobacco culture and its influence on forestry from Jamestown to the present time. The isolation of the highland people until recent years is brought out. In all the regions, the greater the pressure of people on agricultural land, the greater the pressure is to liquidate the forest resources.

The author brings out the point that forest management is not only timber management but the management of forest land for: a habitat for wild life; a regulator of the hydrologic cycle; a stabilizer of the soil; its forage producing plants; and, its recreational ground and aesthetic asset.

Farm woodlands comprise 45 percent and other small holdings 31 percent of the forest area of the Appalachian Region. The biggest problem in forest management in the region is the problem of the small land owners.

The markets for forest products in the Appalachian Region are set forth at length. Several maps throughout this portion of the book on pulpwood market areas; production of pulpwood by county, sawmills and lumber production; destination and quantity of all lumber distributed; source and quantity of softwood lumber distributed; and, source and quantity of hardwood lumber distributed, summarize to some extent the discussion on markets.

The "Economic Problems of Forestry in the Appalachian Region" represents long hours of compilation of data heretofore not published. The author presents a well rounded bibliography, a valuable aid to all foresters. It is a much needed and worthwhile tool for all workers in forestry or other economic problems in the Southern Appalachian Region.

*Duerr, William Allen. THE ECONOMIC PROBLEMS OF FORESTRY IN THE APPALACHIAN REGION.
Cambridge, Mass., Harvard Univ. Press, 1949. 317 p. 99.7 D862

THE NORTHEAST IN PRINT

Eames, Hugh F. LITTLE GIRL IN MAN-SIZE JOB. Soil Conservation, August 1949, pp. 8-9. "This is Mary Baltz-only women in the nation doing soil conservation surveying for SCS." Mr. Eames is information specialist, SCS, Upper Darby, Pa.

- Edminster, F. C. SOIL CONSERVATION DISTRICTS. THE ANSWER TO BETTER FARM COVER. Pennsylvania Game News, April 1949, pp. 3-6, 30. Mr. Edminster is Regional Biologist, SCS, Upper Darby, Pa.
- Frantz, H. R. THINNING LOBLOLLY PINE IN DELAWARE. Journal of Soil and Water Conservation, April 1949, p. 90. Mr. Frantz was formerly with SCS in Georgetown, Delaware.
- Free, George R. EFFICIENT USE OF FARM MANURE FOR EROSION CONTROL. Journal of Soil and Water Conservation, July 1949, pp. 117-118, 124. Mr. Free is with the SCS research project, Ithaca, New York.
- Heath, Maurice E. THE NEED FOR GRASSLAND HUSBANDRY. Better Crops with Plant Food, October 1948, pp. 14-16, 46-48. Mr. Heath is an agronomist at the SCS nursery, Big Flats, New York.
- Hruschka, H. W. and Kaufman, J. MARKET PREPACKING TESTS WITH PEACHES. Pro-Pack-Ago, July 1949, pp. 26, 28. Mr. Hruschka, now assistant physiologist, BPIS/E, New York, N. Y. was formerly with the Soil Conservation Service in the Northeast.
- Huber, W. W. SUS, THE SCAVENGER (European bear). West Virginia Hills and Streams, September-October 1949, pp. 14, 15, 20. Mr. Huber is with the Information and Education Division, Forest Service, Philadelphia, Pa.
- Lydick, Harry M. STRIP CROPPED HILLS (a poem). Pennsylvania Farmer, June 25, 1949. Mr. Lydick is with SCS, Weston, West Virginia.
- McIntyre, A. C. HUMUS FROM WOOD. The Land, Summer 1949, pp. 211-214. Mr. McIntyre is chief, Regional Forestry Division, SCS, Upper Darby, Pa.
- Patrick, Austin ONE DAY OR FIVE YEARS. Soil Conservation, August 1949, pp. 20-22. Dr. Patrick is Regional Conservator, Northeast Region, Soil Conservation Service.
- Simmons, F. C. SAWMILL TRENDS, Pt. 1 and Pt. 2. Wood, August 1949, pp. 27-28, 45 and September 1949, pp. 26, 48-51. Mr. Simmons is logging and primary processing specialist, Northeastern Forest Experiment Station, Upper Darby, Pa.
- Simmons, F. C. WHAT'S NEW IN SAWMILLING. Southern Lumberman, August 15, 1949, pp. 64, 66, 68-70, 72, 74.

SELECTED BULLETINS RECENTLY RECEIVED

American Fishes

American Fisheries Society. A LIST OF COMMON AND SCIENTIFIC NAMES OF THE BETTER KNOWN FISHES OF THE UNITED STATES AND CANADA. Ann Arbor, Michigan, 1948. 45 p. (Special publication no. 1)

Forest Resources and Statistics

Craig, Ronald B. VIRGINIA FOREST RESOURCES AND INDUSTRIES. Washington, D. C., 1949. 64 p. U. S. D. A. Misc. Pub. 681. 1 Ag84M

Food and Agriculture Organization of the United Nations. YEARBOOK OF FOREST PRODUCTS STATISTICS, 1948. Washington, D. C., 1949. 205 p. 99.9 Y3

Forestry and Employment

Stoddard, Charles H. FOREST FARMING AND RURAL EMPLOYMENT. A STUDY OF TWO AREAS IN NORTHERN WISCONSIN AND SOUTHWESTERN ARKANSAS. Washington, D. C., Charles Lathrop Pack Forestry Foundation, 1949. 29 p. 99.55 St6F

Maine Agriculture

Merchant, Charles H. and McKenney, J. E. ADJUSTMENTS IN MAINE AGRICULTURE AND FARM PRICES. A GRAPHICAL AND STATISTICAL PRESENTATION. Croton, Maine, Maine Agricultural Expt. Sta., 1948. 69 p. Misc. Pub. 615. 100 M28S

Philadelphia Milk Market

Philadelphia Class I Milk Price Committee. A REPORT BY THE PHILADELPHIA CLASS I MILK PRICE COMMITTEE FOR THE DAIRY BRANCH, PRODUCTION AND MARKETING ADMINISTRATION, U. S. DEPARTMENT OF AGRICULTURE, 1949. Philadelphia, Pa., 1949. 48 p. Chap. I. The Philadelphia Milk Market. Chap. II. Prices in the Philadelphia Market. Chap. III. Seasonal Pricing. Chap. IV. Determination of Class I Prices. Chap. V. Economic Forces Determining Class I Prices. Chap. VI. Recommendations.

Photography and Forestry

Howlett, L. E. and Garman, P. D. PHOTOGRAPHY FOR FORESTRY PURPOSES. Ottawa, Canada, National Research Council of Canada, 1949. 5 p.
Spear, G. A. THE SEELYSCOPE. Ottawa, Canada, Dominion Forest Service, 1949. 7 p. Forest Air Survey Leaflet No. 4. 99.9 C16F

Recreation

Pennsylvania Planning Board. RECREATION MANUAL. Harrisburg, Pa., 1949. 44 p. (Planning and Zoning Powers and Procedures Volume Number 5. Publication 20.) 280.7 P38P

Soil Conservation

Musgrave, G. W. DESIGNING AGRONOMIC PRACTICES TO MEET SPECIFIC EROSION HAZARDS. Washington, D. C., Soil Conservation Service, 1949. 6 p. SCS-TP-84. 1.96 Ad6Tp
Sharp, A. L. and others INFILTRATION IN RELATION TO RUNOFF ON SMALL WATERSHEDS. Washington, D. C., 1949. 40 p. SCS-TP-81. 1.96 Ad6Tp
Stallings, J. H. KEEP CROP RESIDUES ON THE SURFACE OF THE GROUND. Washington, D. C., 1949. 9 p. SCS-TP-80. 1.96 Ad6Tp
Uhland, R. E. THE VALUE OF CROP ROTATIONS FOR SOIL AND WATER CONSERVATION. Washington, D. C., 1949. 12 p. SCS-TP-83. 1.96 Ad6Tp

Wood and Wood Technology

Aries, Robert S. and Pollak, Arthur COMMERCIAL LIGNIN. New Haven, Conn., Northeastern Wood Utilization Council, 1949. 23 p. Bulletin 29 99.9 N819B
Boomslicer, G. P. TIMBER BEAMS REINFORCED WITH SPIRAL-DRIVE DOMELS. Morgantown, West Virginia, West Virginia Engineering Expt. Sta., 1948. 45 p. Research Bulletin 23. 292.9 W52R
Northeastern Wood Utilization Council HOW TO BURN WOOD. 6th ed. New Haven, Conn., 1949. 18 p. Bulletin 28. 99.9 N819B
Palmer, E. Laurence WOOD. Ithaca, N. Y., 1949. 32 p. Cornell Rural School Leaflet, v. 42, no. 3, Winter 1948-49. 275.29 M48R
Skaar, Christon THE DIELECTRICAL PROPERTIES OF WOOD AT SEVERAL RADIO FREQUENCIES. Syracuse, N. Y., New York State College of Forestry, 1949. 36 p. Technical Publication 69. 99.9 M486T
Vermont Bureau of Industrial Research SURVEY OF WOOD PLANING AND TURNING MACHINERY IN VERMONT 1949. Northfield, Vt., 1949. 10 p. 225 V59
Zabel, Robert A. VARIATIONS ON THE DECAY RESISTANCE OF WHITE OAK. Syracuse, N. Y., New York State College of Forestry, 1948. 53 p. Technical Publication 68. 99.9 M486T

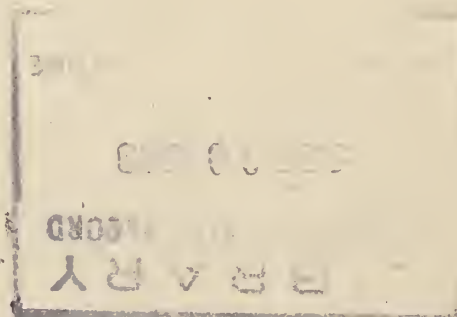
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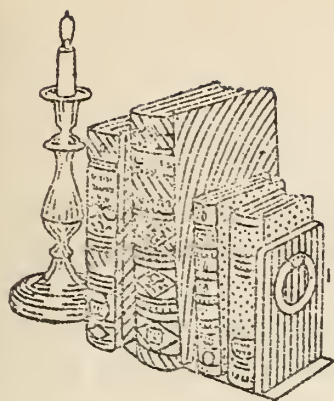
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LIBRARY NEWSLETTER

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LIBRARY NEWS

Vol. 9, Nos. 10 and 11.

October and November 1949.

NEW BOOKS RECENTLY RECEIVED IN YOUR LIBRARY

- Barrows, Harold Kilbreth. FLOODS - THEIR HYDROLOGY AND CONTROL.
New York, McGraw-Hill, 1948. 432 p. 290 B273F
- Boyce, John Shaw. FOREST PATHOLOGY. Ed. 2
New York, McGraw-Hill, 1948. 550 p. 464.07 B69
- Cape May Geographic Society. NOTE WORTHY TREES OF CAPE MAY COUNTY, N. J.
By Robert O. Alexander. Cape May, N. J., 1949. 40 p.
- Collingwood, George Harris. KNOWING YOUR TREES. Revised.
Washington, D. C., American Forestry Assoc., 1949. 312 p. 99.3 C69
"150 of America's most important trees, described and illustrated by photographs of each tree, winter and summer, its leaf, bark, flower and fruit, together with a map showing where it grows."
- Fisher, Ronald Aylmer. THE DESIGN OF EXPERIMENTS. 5th ed.
New York, Hafner Publishing Co., 1949. 242 p. 251 F53D
- Forman, Jonathan and Fink, O. E. SOIL, FOOD AND HEALTH.
Columbus, Ohio, Friends of the Land, 1949. 242 p. 279.12 F76
"Includes papers by outstanding authorities on water; trees, soil, atomic energy, plants, farm animals and human nutrition...The book deserves a large popular audience." Journal of Soil and Water Conservation, October 1949.
- Gannett, Lewis. CREAM HILL; DISCOVERIES OF A WEEK-END COUNTRYMAN.
New York, Viking Press, 1949. 191 p. 281.013 G15
- Johnson, Palmer Oliver. STATISTICAL METHODS IN RESEARCH.
New York, Prentice-Hall, 1949. 524 p. 251 J63
- Krech, David and Crutchfield, R. S. THEORY AND PROBLEMS OF SOCIAL PSYCHOLOGY.
New York, McGraw-Hill, 1948. 639 p. 140 K87
"This book comes nearer to covering some of the principles with which we are concerned in our neighbor group action and action leadership work than any other book on the market."
- R. H. Davis, Chief, Project Plans Division, Soil Conservation Service.
- Landis, Benson Y. RURAL WELFARE SERVICES.
New York, Columbia University Press, 1949. 201 p. 280.12 L23R

Palmer, E. Laurence. FIELD BOOK OF NATURAL HISTORY.

New York, Whittlesey House, 1949. 664 p. 409 Pl8

"The first comprehensive reference book on the whole field of natural history to appear in several decades...Invaluable to scientists, conservationists, teachers and laymen alike."

F. C. Edminster, SCS, Journal of Soil and Water Conservation, July 1949.

"E. Laurence Palmer has spent a busy life studying and humanizing the diverse isolated branches of natural science into meaningful natural history for the normally curious intelligent human being. Those privileged to enjoy the New York Rural School Leaflets whose publication he has supervised for so many years, are not surprised by the wealth of material to be found in his recently published "Fieldbook of Natural History."

Ecology, October 1949.

Tatnall, Robert R. FLORA OF DELAWARE AND THE EASTERN SHORE.

Wilmington, Dela., The Society of Natural History of Delaware, 1946.

313 p. 455.22 T182

Thompson, Henry D. DRAINAGE EVOLUTION IN THE APPALACHIANS OF PENNSYLVANIA.

New York Academy of Sciences, 1949. (Annals, v. 52, Art. 2, pp. 31-62.)

500 N484

Wackerman, Albert Edward. HARVESTING TIMBER CROPS.

New York, McGraw-Hill, 1949. 437 p. 99.76 W11

"This book fills a long recognized need for a text which treats the field of logging, not as an independent separated procedure, but as a definite part of forestry; one in which the harvesting of timber is considered... the principal forestry operation...That the book has a refreshingly new approach may be gathered from the title...Nearly every harvesting method, principle, or piece of equipment described in the text is illustrated. The subject of logging, probably more than any other in forestry, depends upon visual aids for successful presentation and Wackerman's book is outstanding in this respect."

Journal of Forestry, October 1949.

Wickenden, Leonard. MAKE FRIENDS WITH YOUR LAND.

New York, Devin-Adair, 1949. 132 p. 56.6 W63

TREES: THE YEARBOOK OF AGRICULTURE 1949.

Most of you, no doubt, have already seen this attractive and useful volume. If you have not, your library has two copies available for circulation to you.

"This, to me, is the best reference work on the subject of trees, as individuals and in the mass, that has come out of Washington or any publishing house in the last ten years." James R. Simmons, The Land, Autumn 1949.

"This is an opportune book and one of the handsomest big books I have held in my hand this year." Edward Weeks, Editor, Atlantic Monthly.

In an extensive and objectively critical review in the Journal of Forestry, October 1949, Mr. Henry Clepper says of this Yearbook:

"A fascinating, readable, attractive, well edited, monumental volume... The heftiest tome on forests and forestry since the Copeland report..."

the work of 175 writers and artists...In addition to numerous line drawings, some of which are beautifully executed, there are 16 pages of colored photographs of distinction. Moreover, the typography is of an attractiveness not often associated with government publications, and the cover is truly handsome...organized to show first the esthetic values of trees and forests, then the economic, social, silvicultural, and other values."

AGAIN ON OUR SHELVES

The following books, previously listed, are again available for loan:

Brown, N. C. LOGGING. New York, Wiley, 1949. 418 pp. 99.76 B81Log

"Probably no man in America is so well qualified as the author to write on the general subject of logging...He should be complimented for his treatment of the interrelations of forestry and logging...It is hoped that all foresters will read this book." Journal of Forestry, May 1949.

Bump, Gardiner, Darrow, R. W., Edminster, F. C. and Crissey, W. F. THE RUFFED GROUSE - LIFE HISTORY, PROPAGATION AND MANAGEMENT. Albany, N. Y., New York State Conservation Dept., 1947. 915 p. 418 B38

"The most complete study of the ruffed grouse in New York ever compiled... It is certain to make a permanent niche for itself in the nation's wild-life literature...The pictorial presentation is worthy of special notice."

American Forests, July 1949.

Crocker, William GROWTH OF PLANTS. New York, Reinhold Publishing Co., 1948. 459 p. 463.36 (there is still a short waiting list.)

"Brimful of brilliant research summaries from the Boyce Institute's twenty years of truth seeking...written by scientists for scientists...contains so much new material that scientists must read it if they are to keep up with the advancing tide of information...The book isn't 'night cap' reading, but the reward for digging into it is there for those who are interested in solid science."

Journal of Soil and Water Conservation, October 1949.

Hutcheson, T. B., Wolfe, T. K. and Kipps, M. S. THE PRODUCTION OF FIELD CROPS. New York, McGraw-Hill, 1948. 430 p. Ed. 3. 64 H97

"The book is divided into nine sections with major emphasis in the first section on fundamentals of crop production. A general discussion of individual crops follows in the remaining sections."

American Society of Agronomy. Journal, December 1948.

Whyte, R. O. CROP PRODUCTION AND ENVIRONMENT. London, Faber and Faber, 1946. 372 p. 463.36 W62

"A survey of the subject of temperature and light in relation to vegetative growth and reproductive development of crop plants...carefully prepared presentation that merits a place on the shelf of every worker in the field of plant science." Soil Science, May 1947.

Wisler, C. O. and Brater, E. F. HYDROLOGY. New York, Wiley, 1949. 419 p. 292 W752

"Those looking for orientation in this field will welcome a text that recognizes the knowledge of hydrology as a working tool of value not only in engineering, but also in forestry, agriculture, and other branches of the natural sciences. Both authors have participated at one time in the U. S.

Department of Agriculture's flood surveys, and the junior author has been associated with the U. S. Forest Service in watershed management research. ...The authors have gone a long way toward interpreting watershed management and the land use aspects of hydrology - much further than any other writers on the subject." C. R. Hursh, Southeastern Forest Experiment Station. Journal of Forestry, October 1949.

Dr. Hursh notes particularly the discussion of stream flow, the chapter on infiltration, "the first to appear in any textbook of hydrology", the "Thorough discussion of groundwater", and the "logical presentation of runoff in terms of runoff from small plots, then small watersheds, and finally large water sheds."

GARDEN SOILS, THEIR USE AND CONSERVATION*

By Arthur B. Beaumont

Comment by W. Theodore Hebel, District Conservationist
Soil Conservation Service, Middletown, Connecticut

I'm a gardener, but one of the casual ones. I can take gardening, or leave it alone. (This year it was mostly the latter.) What I'm driving at is that I don't lose sleep reading garden books and seed catalogs; I don't spend all summer in the garden and all winter getting ready for the summer. Yet I enjoyed this book very much.

I don't know many authors. One reason for reading this book in the first place was that I had met Dr. Beaumont and knew him casually, being a fellow member of the Southern New England Chapter of the Soil Conservation Society of America, of which he is president. Now I feel as though I know him a great deal better. He isn't just a sober scientist; he very definitely has a sense of humor. Read his comments on the organic gardeners and the earth worm propagandists if you don't believe it.

Another interest which prompted my reading was the conservation angle, which the author worked into the title of the book. I was curious to see how he would handle conservation on gardens and I thought it rather skillfully done. We find considerable interest in conservation by garden clubs. These ladies can find here not only information for use in their gardens, but things they should know as consumers about soils which support them on a larger scale. We've mentioned the book, along with other reading material, a number of times, and hope that at least it gets into club libraries.

Dr. Beaumont frankly aims his book at home gardeners; he calls them "the largest single group of tillers of the soil!" His story of soils, their formation and characteristics, seems sufficiently elementary to interest the non-technical reader. He indicates that soil and location are important for a garden. The controversy between the advocates of organic fertilizers only and those who believe that organic matter is important but that chemical fertilizers are useful, too, is fairly stated. The need for organic matter in garden soils is stressed, and methods of obtaining it are described; he says that a gardener should have a "sense of humus." How to improve, till and fertilize soils are given separate chapters. I enjoyed both the title and the contents of the

section called "odds and ends." The final chapter is on "Soil, Vegetables and Health." It should be read by everybody who likes to eat - and who doesn't?

*Beaumont, Arthur B. GARDEN SOILS, THEIR USE AND CONSERVATION. New York, Orange Judd, 1948. 280 p. 56.7 B382

See also Journal of Soil and Water Conservation, October 1949, pp. 173-174 for a review by W. W. Reitz, Soil Conservation Service, Upper Darby, Pa.

THE NORTHEAST IN PRINT

Banfield, Edward C. TEN YEARS OF THE FARM TENANT PURCHASE PROGRAM. Journal of Farm Economics, August 1949, pp. 469-486. Mr. Banfield, now at the University of Chicago was formerly with the Farm Security Administration in this region.

Briegleb, Philip A. APPLIED FOREST MANAGEMENT IN THE DOUGLAS FIR REGION. Forestry Chronicle, September 1949, pp. 173-180. Mr. Briegleb, formerly with the Northeastern Forest Experiment Station, is now with the Pacific Northwest Forest Experiment Station, Portland, Oregon.

Bratton, Allen W. COOPERATIVES AND SMALL WOODLANDS. Trees; Yearbook of Agriculture 1949, pp. 183-190. Mr. Bratton worked on the problems of organization and operation of forests cooperatives at Cooperstown, N. Y. for a number of years as a member of the staff of the Northeastern Forest Experiment Station.

Fearnow, Theodore C. and I. T. Quinn ACTION ON THE BLUE RIDGE. Trees: Yearbook of Agriculture 1949, pp. 586-592. Mr. Fearnow is in charge of Range and Wildlife Management, U. S. Forest Service, Region Seven, Philadelphia, Pa.

Huber, W. W. BLACKY: THE STORY OF A BEAR. West Virginia Hills and Streams, November-December 1949, pp. 12, 26, 27. Mr. Huber is with the Information and Education Division, U. S. Forest Service, Region Seven, Phila., Pa.

Huber, W. W. DOT AND DASH: A STORY OF TWO VIRGINIA DEER AND HOW THEY RETURNED TO THE BLUE RIDGE. Virginia Wildlife, October 1949, pp. 11-12, 18.

Jones, John P. APPLICATION OF STRIP CROPPING AND CONTOUR CULTIVATION IN THE NORTHEAST. Journal of Soil and Water Conservation, October 1949, pp. 153-160. Mr. Jones is Regional Chief, Agronomy Division, Soil Conservation Service, Upper Darby, Pa.

Kreitlow, K. W. and Price, W. C. A NEW VIRUS DISEASE OF LADINO CLOVER. Phytopathology, July 1949, pp. 517-528. Dr. Kreitlow is Associate Pathologist, BPISAE, U. S. Pasture Research Laboratory, State College, Pa.

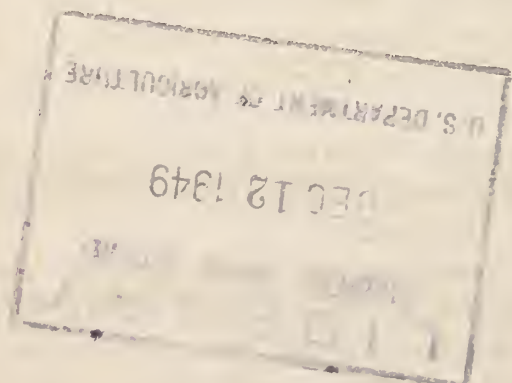
Lockard, C. R. RAILROAD C.R. LOG LOADER. Southern Lumberman, October 1, 1949, pp. 44. Mr. Lockard is Chief, Forest Utilization Service, Northeastern Forest Experiment Station, Upper Darby, Pa.

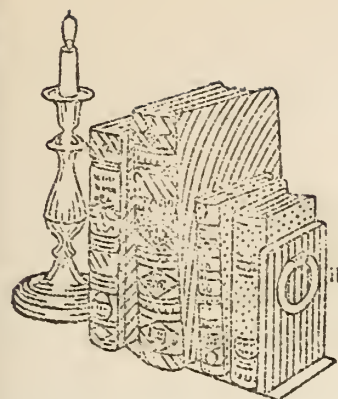
McQuilkin, W. E. DIRECT SEEDING OF TREES. Trees: Yearbook of Agriculture 1949, pp. 136-146. Dr. McQuilkin is with the Anthracite Branch, Northeastern Forest Experiment Station, Kingston, Pennsylvania.

Mattoon, M. A. APPALACHIAN COMEBACK. Trees: Yearbook of Agriculture 1949, pp. 304-309. Mr. Mattoon is in charge of Timber, Range and Wildlife Management, U. S. Forest Service, Region Seven, Philadelphia, Pennsylvania.

Patrick, Austin L. WINTER PLANNING WITH A STEREOSCOPE. Soil Conservation, December 1949, pp. 102-103. Dr. Patrick is Regional Conservator, Soil Conservation Service, Northeast Region, Upper Darby, Pa.

- Rogers, Earl A SHORT CUT FOR SCALING AERIAL PHOTOGRAPHY. Journal of Forestry, October 1949, pp. 819-822. Mr. Rogers is with the Northeastern Forest Experiment Station, Upper Darby, Pennsylvania.
- Schrack, Robert A. and Albright, L. Russell A SAWMILL GOES TO THE LOGS. American Forests, October 1949, pp. 24-26, 36-37. Mr. Schrack is Forestry Specialist, Soil Conservation Service, East Greenwich, R. I. and Mr. Albright is State Conservationist, Soil Conservation Service, Kingston, Rhode Island.
- Schreiner, Ernest J. AMATEUR TREE BREEDERS? WHY NOT? Trees: Yearbook of Agriculture 1949, pp. 158-159. Dr. Schreiner is Forest Geneticist, Northeastern Forest Experiment Station, Upper Darby, Pennsylvania.
- Schreiner, Ernest J. POPLARS CAN BE BRED TO ORDER. Trees: Yearbook of Agriculture 1949, pp. 153-157
- Shirley, Hardy L. LARGE PRIVATE HOLDINGS IN THE NORTH. Trees: Yearbook of Agriculture 1949, pp. 255-274. Dr. Shirley, now Asst. Dean, New York State College of Forestry, was formerly Director, Northeastern Forest Experiment Station, Philadelphia, Pennsylvania.
- Simmons, Fred C. GOOD LOGGING PRACTICE, No. 4. LOADING. Timber of Canada, January 1949, pp. 37-40, 74-76. Mr. Simmons is with the Forest Utilization Service, Northeastern Forest Experiment Station, Upper Darby, Pa.
- Simmons, Fred C. GOOD LOGGING PRACTICE, No. 16. LOGGING TRUCKS. Timber of Canada, April 1949, pp. 33-36, 57-60.
- Simmons, Fred C. SINCE THE DAYS OF LEIF ERICSON. Trees: Yearbook of Agriculture 1949, pp. 687-694.
- Spaulding, Perley and Martin, J. F. BLISTER RUST ON WHITE PINE. Trees: Yearbook of Agriculture 1949, pp. 453-458. Dr. Spaulding is Principal Pathologist, BPISAE, New Haven, Connecticut.
- Sprague, V. G. and Robinson, R. R. PASTURE RENOVATION IN THE NORTHEAST. What's New in Crops and Soils, October 1949, pp. 16-18. Both authors are agronomists, BPISAE, U. S. Pasture Research Laboratory, State College, Pa.
- Trimble, G. R., Jr. and Tripp, Norman R. SOME EFFECTS OF FIRE AND CUTTING ON FOREST SOILS IN THE LODGEPOLE PINE FORESTS OF THE NORTHERN ROCKY MOUNTAINS. Journal of Forestry, August 1949, pp. 640-642. Mr. Trimble is with the Northeastern Forest Experiment Station, Upper Darby, Pa.





LIBRARY NEWSLETTER

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LIBRARY NEWS

Vol. 9, No. 12

December 1949.

NEW BOOKS RECENTLY RECEIVED IN YOUR LIBRARY

American Society of Civil Engineers. HYDROLOGY HANDBOOK.

New York, N. Y., 1949. 184 p. (Society Manuals of Engineering Practices No. 28.) 290.8 C49M

Baker, Richard St. Barbe GREEN GLORY; THE FORESTS OF THE WORLD.

New York, A. A. Wyn, 1949. 253 p. 99 B172G

"For twenty-five years Richard St. Barbe Baker, international conservationist...has devoted his life to the study of the world's forest resources... In colorful prose, punctuated with many dramatic photographs...he takes the reader on a bird's eye tour of our planet showing us where there is still verdant growth and where greed and depredation have gouged great holes in the forest belts...He takes us from nation to nation and shows what is already being done in every country of the world and what must be done in the future to preserve and restore our forest resources and save large sections of humanity from famine and flood." Jacket

Hanna, Mark PUBLIC SPEAKING WITHOUT FEAR AND TREMBLING.

New York, Macmillan, 1949. 166 p. 145.2 H192

The author was active in public relations for the U. S. Forest Service, the National Park Service and the U. S. Army as well as having been a teacher of public speaking in several colleges, a radio announcer and member of an advertising agency. This book is "filled with common sense and encouragement, and is highly readable and entertaining."

Kelsey, Lincoln David and Hearne, Cannon C. COOPERATIVE EXTENSION WORK.

Ithaca, New York, Comstock Publishing Co., 1949. 424 p. 275.2 K29

"If you are interested in the history and organization of the Cooperative Extension Service and the working procedures it uses so successfully, this is the book to read." USDA, October 24, 1949.

Kramer, Paul J. PLANT AND SOIL WATER RELATIONSHIPS.

New York, McGraw-Hill, 1949. 347 p. 463.3 K86

"An integrated discussion of the various factors which affect the absorption of water by plants."

- Preston, John Frederick FARM WOOD CROPS.
New York, McGraw-Hill, 1949. 302 p. 99.61 P92
"Direct and practical approach." Journal of Forestry, May 1949.
Van de Water, Frederick Franklyn LAKE CHAMPLAIN AND LAKE GEORGE.
Indianapolis, Bobbs, Merrill, 1946. 381 p. (American Lake Series.) 138 V28
Weir, W. W. SOIL SCIENCE, ITS PRINCIPLES AND PRACTICES. Revised edition.
Philadelphia, Lippincott, 1949. 615 p. 56 W43 1949
Westveld, R. H. APPLIED SILVICULTURE IN THE UNITED STATES.
New York, John Wiley, 1949. Edition 2. 590 p. 99.45 W52 Ed. 2

THE LUMBER BOOKSHELF

Not long ago the West Coast Lumberman's Association, with the help of leading educators, selected for West Coast High School students a dozen books known as The Lumber Bookshelf:

- *Collingwood KNOWING YOUR TREES. 99.3 C69
- *Holbrook BURNING AN EMPIRE. 99.51 H69
- Harvey DOUGLAS OF THE FIR.
- *Butler AMERICAN CONSERVATION IN PICTURE AND STORY. 279.12 B97
- *Horn THIS FASCINATING LUMBER BUSINESS. 99.76 H78
- *Teale THE LOST WOODS. 409 T22
- Stevens PAUL BUNYAN.
- Hosmer NOW WE'RE LOGGIN'
- Holbrook TALL TIMBER.
- Stevens TIMBER. (Rowe Peterson)
- Hardy SKYO.
- Eliot FOREST TREES OF THE PACIFIC COAST.

The items starred are in the Philadelphia Branch Library. The list appeared in the Publishers' Weekly, November 26, 1949.

THE NORTHEAST IN PRINT

- Atkinson, Walter S. HOW TO BUILD A FARM POND. 8 p. USDA Leaflet 259.
September 1949. Mr. Atkinson is Chief, Engineering Division, Northeastern Region, Soil Conservation Service, Upper Darby, Pa.
- Kerr, Harry A. and Wilson, Hugh M. MAINTAIN THE DIVERSION TERRACE. 4 p.
Cornell Extension Bulletin 702. April 1949. Mr. Wilson is Extension Conservationist, Soil Conservation Service, Ithaca, New York.
- Mason, A. C. and Chisholm, R. D. AN ETHYLENE DIBROMIDE-CHLORDAN MIXTURE TO CONTROL SOIL INHABITING STAGES OF THE JAPANESE BEETLE. Journal of Economic Entomology, August 1949, pp. 639-641. The authors are at the Japanese Investigations Laboratory, BEPQ, Moorestown, New Jersey
- Simmons, Fred C. LOGGING FARM FOREST CROPS IN THE NORTHEAST. USDA Farmers' Bulletin 2008. July 1949. 57 p. Mr. Simmons is logging specialist, Northeastern Forest Experiment Station, Upper Darby, Pa.
- Wright, Jonathan W. SOME ANOMALOUS FIR FLOWERS. Morris Arboretum Bulletin, October 1949, pp. 87-88. Dr. Wright is engaged in the tree breeding program of the Northeastern Forest Experiment Station in cooperation with the Morris Arboretum of the University of Pennsylvania.

MAKE FRIENDS WITH YOUR LAND*

By Leonard Wickenden

Comment by Dr. Arthur B. Beaumont, Massachusetts State Conservationist,
Soil Conservation Service, Amherst, Massachusetts

This is one of the better books on organic gardening, or "organiculture", as the author calls it. He is evidently better informed in the field of soils, plant nutrition, and chemistry than are many writers on organic gardening who are currently flooding the market with books and magazine articles on this subject. The author in this book writes easily and interestingly but often too dogmatically. At times he is, as he admits, "highly sarcastic."

Like many of his fellow travelers along the road of organiculture the author's enthusiasm for his subject and his zeal to prove a point have caused him to slip in places into the pitfall of starting with a premise of assumption, developing a plausible theory, and from that concluding with a "clear and incontrovertible proof", as was the case in his discussion of plant health and soil organic matter. The same procedure was followed in his attempt to prove that "fertilizers are invariably followed by disease."

Chapter 4, on antibiotics, is one of the better ones, because it is devoted largely to a review of Dr. Selman A. Waksman's book on this subject and contains Walt Whitman's poem on This Compost. Chapter 7, on insect pests is weak because if, as the author contends, insects will not attack organically grown plants, whence and when came all our present insect pests? Chemical fertilizers have been used only a little more than 100 years. Chapter 11, on organiculture and health, is disappointing, being devoted largely to a rehash of uncontrolled experiments previously reported by the late Sir Albert Howard. However, the author is not as dogmatic in this field as some other writers have been. Chapter 12, on costs of making compost on a large scale, is unconvincing, because raw materials would have to be purchased or grown on many farms, or the labor of collecting them from waste places would be considerable.

Chapter 13, on "Chemical Fertilizers - Yes or No" is the best one in the book. It will not please extreme organiculturists because in it the author admits that the question of the advisability of using chemical fertilizers is still an open one. He properly points out the "appalling loss of organic fertilizing values which occurs through our wasteful methods of sewage disposal;" admits that some soils are naturally deficient in certain necessary mineral nutrients; and points out the fallacy of condemning certain chemical fertilizers as "artificial." This chapter contains other good points, but also some which are only half-truths or in the realm of speculation.

*Wickenden, Leonard MAKE FRIENDS WITH YOUR LAND. New York, Devin-Adair, 1949.
132 p. 56.6 W63

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A FEW SELECTED BULLETINS RECENTLY RECEIVED IN YOUR LIBRARY

Agricultural Finance.

Garlock, F. L. and others. THE BALANCE SHEET AND CURRENT FINANCIAL TRENDS OF AGRICULTURE 1949. Washington, D. C., 1949. 51 p. USDA Agricultural Information Bulletin No. 1. 1 Ag84Ai

Beach Erosion.

New Jersey State Beach Erosion Commission. REPORT ON THE PROTECTION AND PRESERVATION OF THE NEW JERSEY BEACHES AND SHOREFRONT. Trenton (?), N. J., 1949. 43 p.

Cooperatives.

U. S. Rural Electrification Administration. TELLING THE CO-OP STORY. An educational handbook for Rural Electric Co-ops. Washington, D. C., 1949. 70 p. USDA Miscellaneous Publication 685. 1 Ag84M

Forestry and Forest Products.

Atkins, E. S. SIMPLIFIED PLANE TABLE ORIENTATION. Ottawa, Canada, Canada Forest Service, 1949. Silvicultural leaflet 33. 2 p. 99.9 C16S
Black Rock Forest ECONOMIC RELATIONS OF THE BLACK ROCK FOREST. Cornwall-on-the-Hudson, N. Y., 1949. pp. 143-147. Paper 23. 99.9 B562
Black Rock Forest TWENTY YEAR PROGRAM AND REPORT, 1928-1948. Cornwall-on-the-Hudson, 1949. 89 p. Bulletin 14. 99.9 B562
Crossley, D. I. REPRODUCTION OF WHITE SPRUCE IN A MIXED WOOD STAND FOLLOWING MECHANICAL DISTURBANCE OF THE FOREST FLOOR. Ottawa, Canada Forest Service, 1949. 25 p. Silvicultural Research Note 90. 99.9 C16Re
Northeastern Wood Utilization Council. WOOD WASTE UTILIZATION. New Haven, Conn., 1949. 27 p. Bulletin 30. 99.9 N819B
Rowe, J. S. CHARACTERIZATION AND COMPARISON OF FOREST STANDS BY MEANS OF PHYTOGRAPHS. Ottawa, Canada Forest Service, 1949. 8 p. Silvicultural Research Note 93. 99.9 C16Re
Seeley, H. E. AIR PHOTOGRAPHY AND ITS APPLICATION TO FORESTRY. Ottawa, Canada Forest Service, 1949. 10 p. Forest Air Survey Pub. 6 99.9 C16F
Simmons, Fred C. LOGGING FARM FOREST CROPS IN THE NORTHEAST. Washington, D. C., 1949. 57 p. USDA Far, Bulletin 2008. 1 Ag84F
Smithers, L. A. THE DWIGHT CO. FREQUENCY PRINCIPLE IN DIAMETER GROWTH ANALYSES. Ottawa, Canada Forest Service, 1949. 26 p. Silvicultural Research Note 91. 99.9 C16Re

Ponds.

Atkinson, Walter S. HOW TO BUILD A FARM POND. Washington, D. C., 1949. 8 p. USDA Leaflet 259. 1 Ag84L
Jackson, H. W. WEED CONTROL IN SMALL PONDS. Blacksburg, Va., Virginia Agr. Expt. Station, 1949. 28 p. Bulletin 425. 100 V81S
Fistilli, August D. FARM PONDS. Ithaca, N. Y., 1949. Cornell Extension Bulletin 771. 14 p. 275.29 N48

Rural Organization.

Grigsby, S. E. and Hoffsommer, H. RURAL SOCIAL ORGANIZATION OF FREDERICK CO., MARYLAND. College Park, Md., 1949. 115 p. Maryland Agr. Expt. Bulletin A51. 100 M36S

